ANNUAL ADMINISTRATION REPORT

OF THE

FOREST DEPARTMENT

OF THE

MADRAS PRESIDENCY

FOR THE

TWELVE MONTHS ENDING 30TH JUNE 1903.

(1902-1903.)

MADRAS:
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PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY

FOR THE TWELVE MONTHS ENDING 30TH JUNE 1903.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

(i) Alteration of Area.

The following abstract from Form No. 44 shows the changes in the areas of reserved forests and reserved lands in the three circles and in the Presidency as a whole during the year :—

—	Area on 1st July 1902.	Added during the year.	Excluded during the year.	Net increase or decrease.	Area on 30th June 1903.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle.					
Reserved forests	6,017	(*a*) 38 (*b*) 134	(*a*) 31 (*c*) 1	+ 140	6,157
Do. lands	800	(*a*) 4 (*d*) 1	(*c*) 83 (*e*) 10 (*f*) 134	− 222	578
Total ..	6,817	177	259	− 82	6,735
Central Circle.					
Reserved forests	6,813	(*a*) 28 (*b*) 124	(*a*) 17 (*c*) 2	+ 133	6,946
Do. lands	495	(*a*) 2	(*c*) 12 (*e*) 25 (*f*) 124	− 159	336
Total ..	7,308	154	180	− 26	7,282
Southern Circle.					
Reserved forests	4,324	(*a*) 9 (*b*) 222	(*a*) 1	+ 230	4,554
Do. lands	1,117	(*d*) 1	(*a*) 3 (*c*) 1 (*e*) 8 (*f*) 222	− 233	884
Total ..	5,441	232	235	− 3	5,438
Total.					
Reserved forests	17,154	555	52	+ 503	17,657
Do. lands	2,412	8	622	− 614	1,798
Grand Total ..	19,566	563	674	− 111	19,455

(*a*) Revision of area. (*c*) Disafforested or unreserved. (*e*) Excluded at settlement.
(*b*) Transferred from reserved lands. (*d*) Newly constituted reserved lands. (*f*) Transferred to reserved forests.

2. The total area under the control of the department at the end of the year under report was 19,455 square miles or 111 square miles less than that at the beginning of the year. This considerable fall in the area under control was due to the abandonment of reserved land for extension of cultivation and for the exercise of communal privileges, while no material addition could be made to it owing to the completion of reservation in several districts. The particulars of the change are as follows.

Reserved Forests.

The increase arose from the reservation of 480 square miles under the Forest Act and the addition of 75 square miles due mainly to the adoption of corrected areas as determined by the Survey of India Parties. The increase was partly counterbalanced by the exclusion of 3 square miles by disafforestation and 49 square miles by a more correct computation of the areas notified in previous years. Appendix B shows by districts the particulars of the changes that occurred.

Reserved Lands.

Only 2 square miles were added by the notification of new areas and 6 square miles by a correct computation of lands already notified. Against this increase, 139 square miles were excluded at settlement or unreserved to provide for extension of cultivation and for the exercise of communal privileges. Three square miles were deducted on account of revision of areas and 480 square miles were transferred to reserved forests. The details of the changes are shown in Appendix E.

(ii) Forest Settlement.

3. The following abstract gives the progress of forest settlement in the three circles and the Presidency as a whole. The total area brought under settlement up to the close of the year, the area finally constituted reserved forests and the particulars of the balance under settlement in each district on 30th June 1903 are shown in Appendix C :—

Circle.	Area of reserved lands—*vide* Abstract above.					Area brought under Chapter II of the Madras Forest Act.				
	On 1st July 1902.	Added during 1902–1903.	Total.	Excluded during the year mainly by reason of constitution as reserved forests.	Balance at the end of the year.	Area notified under section 4 and not constituted reserved forests on 1st July 1902.	Added during 1902–1903.	Total.	Constituted reserved forests during 1902–1903, or otherwise disposed of.	Balance notified under section 4, but not constituted reserved forests on 1st July 1903.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Northern Circle	800	5	805	227	578	540	27	567	151	416
Central „	495	2	497	161	336	481	7	488	152	336
Southern „	1,117	1	1,118	234	884	621	33	654	230 (*a*) 1	423
Total ..	2,412	8	2,420	622	1,798	1,642	67	1,709	534	1,175

(*a*) Rectification.

4. The following abstract shows for the Presidency the progress of the forest settlement work as compared with the outturn of the previous year. The details for each district are recorded in Appendix E :—

—	1901–1902.		1902–1903.	
	Number of blocks.	Area.	Number of blocks.	Area.
		SQ. MLS.		SQ. MLS.
(1) Area notified as proposed reserves under section 4 and remaining to be constituted reserved forests at the beginning of the year	318	1,873	241	1,642
(2) Notified under section 4 during the year	38	287	32	67
Total ..	356	2,160	273	1,709
(3) Deduct area finally constituted as reserved forests under section 16, or excluded at settlement, or the initial notifications of which were cancelled.	112 (*b*) 3	468 (*a*) 1 (*c*) 49	121 (*b*) 4	480 (*b*) 11 (*c*) 43
Total ..	115	518	125	534
(4) Area which remained to be finally constituted reserved forests at the end of the year	241	1,642	148	1,175

(*a*) Revision. (*b*) Initial notification cancelled. (*c*) Excluded at settlement.

Of the 148 blocks remaining under settlement at the close of the year, 78 blocks covering 467 square miles have been practically settled and are being finally reported on, leaving only 70 blocks with an area of 708 square miles under settlement enquiry. The causes of pendency of the several blocks are shown in Appendix D.

5. The results of the settlement operations of the year under report are compared with those of previous years in the subjoined statement:—

Year.	Finally notified during the year.		Settled and reported on.		Settled but not reported on.		Total.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7	8	9
		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ending 30th June 1901 ..	204	731	81	581	53	468	338	1,780
Do. 1902 ..	112	468	54	500	53	295	219	1,263
Do. 1903 ..	121	480	48	342	30	125	199	947

The number of blocks in respect of which settlement operations were completed was only slightly less than in the previous year. The area involved was also less owing to the fact that most of the blocks brought under settlement were of smaller dimensions.

Outturn of work by Revenue Divisional-officers.—The only settlement work left in the hands of these officers was that connected with two topes, one in Chingleput and the other in North Arcot, and two small blocks in Tinnevelly. In Malabar and South Canara, the Divisional-officers were unable to make any progress with the settlement of the blocks entrusted to them and the work was therefore transferred to M.R.Ry. P. S. Singaravelu Pillai during the last quarter of the year.

6. *Selections for reservation.*—The preliminary demarcation of the Pondakkal blocks in *Ganjám* was completed during the year and the draft notification under section 4 in respect of them was submitted to the Board after its close. In *Vizagapatam* the two blocks in the Golgonda Agency forming a portion of the Saruguda land referred to in the last year's report were still pending selection. Of the three blocks mentioned in *Kistna* in the previous year as awaiting notification under section 4, two were abandoned and a major portion of the third excluded as being likely to be brought under irrigation under the Divi pumping project, the remaining area being notified for settlement after the close of the year. In *Kurnool* out of the 97 square miles that remained to be notified under section 4 at the commencement of the year, 23 square miles were subsequently notified under section 4 and 28 square miles abandoned, leaving a balance of 46 square miles at the close of the year; of this area draft notifications in respect of 15 square miles have since been submitted to Government and the submission of notifications in regard to the remaining area is awaiting preparation of maps. The preliminary demarcation of the eight blocks pending in *Bellary* was completed during the year and certain exclusions suggested by the District Forest-officer in regard to three of the blocks were being carried out at its close. In *Anantapur* it is under consideration to reserve the hill areas of about 200 square miles to protect the head waters of certain local streams. In *Trichinopoly* the question of reserving the Upper Anicut padugais was still under consideration. In *South Canara* most of the areas for selection are comprised within the Amara and Sullia Maganes of the Uppinangadi taluk where the peculiar tenure of lands known as "Kans" and "Banes" is said to have impeded the work. The selection in the other taluks is reported to be practically complete. In *North Malabar*, the Wynaad Syndicate land, covering an area of 21 square miles, was acquired during the year but the acquisition of Ayankúnnu forest comprising an area of 12 square miles was not completed. In addition to these reserves, another block of about 2 square miles was selected during the year. In *South Malabar*, five blocks, covering an aggregate area of 33 square miles, remained to be notified at the close of the year. The draft notification for one

of them (the Silent valley) comprising an area of 27 square miles was submitted to the Board after the close of the year. The submission of notification regarding the two blocks in *North Coimbatore* referred to in the last year's report was still awaiting the receipt of the Survey of India maps. In *Madura* the proposal to reserve the down country lying between the Gundar valley extension and the Travancore frontier received the approval of Government and the extent to be selected in this locality is under consideration. Selection work in other districts is reported to be almost complete.

7. The subjoined statement shows the progress effected in reservation according to the programme for each district:—

District.	Sanctioned estimate of areas for reservation.	Area brought under the Forest Act—*vide* last column of Form 44.	Additional estimated area selected or to be selected.	Total estimate proposed to be reserved.	Percentage of the total forest area to the area of Government lands in the district.	Percentage of the total forest area to the area of unoccupied Government lands in the district.
1	2	3	4	5	6	7
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.		
Ganjám	656	538	60	598	13·48	15·75
Vizagapatam	415	345	..	345	26·12	32·97
Gódávari	(*f*) 1,027	1,027	..	1,027	25·50	42·76
Kistna	1,165	1,003	..	1,003	17·85	42·07
Kurnool	2,677	2,676	..	2,676	40·60	60·82
Bellary	629	(*d*) 636	49	685	14·72	38·74
Anantapur	535	510	200	710	15·04	29·64
Cuddapah	2,640	2,373	..	2,373	31·27	44·29
Nellore	1,132	748	..	748	18·33	32·50
Chingleput	231	214	..	214	10·42	21·11
North Arcot	(*a*) ..	1,291	..	1,291	32·96	51·31
South Arcot	835	663	..	663	13·98	31·18
Salem	1,594	(*g*) 1,659	..	1,659	30·78	53·12
Trichinopoly	(*a*) ..	315	1	316	11·77	32·72
Tanjore	23	19	..	19	00·77	2·76
South Canara	1,011	1,071	..	1,071	26·72	33·50
Malabar	(*b*) 273	501	(*e*) 35	536	9·29	12·91
The Nilgiris	(*c*) 411	498	..	498	52·03	77·36
Coimbatore	(*b*) 1,812	2,312	8	2,320	31·37	66·88
Madura	(*a*) ..	619	60	679	20·90	45·35
Tinnevelly	440	437	..	437	12·25	34·84

(*a*) No definite schemes were formulated and approved for the district.
(*b*) Final schemes were submitted only for the northern divisions of the districts.
(*c*) Excludes leased forests. (*d*) Includes leased forests, 62 square miles.
(*e*) The revised area of Ayankunnu forest and the Wynaad Syndicate land.
(*f*) Includes the revised area of Coringa extension.
(*g*) The increase is due to the adoption of the areas of certain reserves as ascertained by the Government of India Survey.

Reserved Lands not brought under Settlement.

8. The extent of the above is, according to Appendix E, 623 square miles. The areas shown against the *Nilgiris* and *Bellary* and 15 square miles in *South Malabar*, which are mostly leased forests, will not be available for settlement. Out of the remaining extent (460 square miles), 319 square miles remain to be notified in *South Canara*. Thirty-two square miles were notified during the year and steps were being taken at its close for the submission of draft notifications under section 4 in respect of the remaining area. The extent of land in Vizagapatam will remain as reserved lands until the present reserves are brought under a more efficient scheme of protection and working. The delay in the submission of draft notifications regarding the balance of land left in other districts is explained in paragraph 6. The area remaining to be finally constituted reserved forest at the commencement of the current year was 1,175 square miles, and adding to this, the area of reserved lands (460 square miles), and the new selections (413 square miles) likely to be brought under settlement, there were 2,048 square miles for final settlement. Of this area, 467 square miles have been practically settled, leaving a balance of 1,581 square miles, which should mostly be settled before the 31st March 1905, the date on which the sanction for the retention of the Special Forest Settlement-officers expires. The work of these officers is being scrutinized by the Board and the attention of Collectors was recently drawn to the necessity of notifying the areas available for reservation as early as possible in order that the settlement may be practically completed within the period referred to.

(iii) DEMARCATION.

9. The following statement shows the results of the preliminary demarcation work of the year under report compared with the outturn of the previous year:—

—	During 1901–1902.			During 1902–1903.		
	Miles.	Cost.	Average per mile.	Miles.	Cost.	Average per mile.
1	2	3	4	5	6	7
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Ganjám	15	49	3 4 3	35	410	11 11 5
Vizagapatam	5	42	8 6 5	..	..	..
Gódávari	15	136	9 1 0	..	..	..
Kistna	..	..	..	..	..	..
Kurnool	73	226	3 1 6	23	47	2 0 8
Bellary	24	49	2 0 4	58	(*b*) 303	5 3 7
Anantapur	..	..	..	..	..	..
Total, Northern Circle ..	132	502	3 12 10	116	760	6 8 10
Central Circle.						
Cuddapah	..	..	..	..	..	..
Nellore	1	2	2 0 0	..	..	..
Chingleput	..	..	..	..	..	..
North Arcot	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..
North Salem	3	9	3 0 0	..	..	..
South Salem	..	..	..	..	..	..
Trichinopoly	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..
Total, Central Circle ..	4	11	2 12 0	..	..	..
Southern Circle.						
South Canara	244	76	0 5 0	65	26	0 6 5
North Malabar	..	(*a*) 96	..	..	..	..
South do.	..	..	..	..	..	..
The Nilgiris	2	6	3 0 0	..	..	..
North Coimbatore	16	159	9 15 0	..	..	..
South do.	..	..	..	..	..	..
Madura	..	..	..	..	..	..
Tinnevelly	2	12	6 0 0	1	8	8 0 0
Total, Southern Circle ..	264	349	1 5 2	66	34	0 8 3
Grand Total, Presidency ..	400	862	2 2 6	182	794	4 5 9

(*a*) This sum was spent in clearing boundary lines in the Ladysmith reserve to facilitate the Forest Settlement Officer's inspection.

(*b*) Includes cost of erecting cairns.

During the year work under the head was confined to *Ganjám*, *Kurnool*, *Bellary*, *South Canara* and *Tinnevelly*. The total outturn of work in the Presidency was smaller than in the previous year due to selections being nearly complete in most districts. The average cost per mile was greater than in the previous year for the Presidency and for the Northern Circle but less in the Southern Circle. Taking the districts individually the higher rates prevailed chiefly in *Ganjám* and *Bellary* which contributed to the greater average cost for the Presidency as a whole. The increase in Ganjám was due to the clearance of certain estate boundaries through bamboo growth in thick hilly forest. The marked increase in the rate in *Bellary* was due to thicker growth on the lines of the reserves demarcated and to cost of cairns.

Permanent Demarcation.

10. The length and cost of boundary lines permanently demarcated and recleared during the year and in the previous year are compared in the following abstract. Form No. 46 shows the work remaining to be done at the close of the year. There has been no change in the system of permanent demarcation reported in previous years.

District.	Perma — During 1901-1902. Miles.	Cost.	Average cost per mile.
1	2	3	4
Northern Circle.		RS.	RS. A. P.
Ganjám	255	(a) 2,987	11 11 7
Vizagapatam	24	530	22 1 4
Gódávari	54	(a) & (d) 677	12 8 7
Kistna	166	(a) 1,807 (b) 1,703	21 2 4
Kurnool	211	1,345	6 6 0
Bellary	39	242	6 3 3
Anantapur	6	35	5 13 4
Total, Northern Circle	755	9,326	12 5 8
Central Circle.			
Cuddapah	186	1,083	5 13 2
Nellore	168	(a) 1,482	8 13 2
Chingleput	1	(b) 821	..
North Arcot	120	991	8 4 2
South Arcot	21	197	9 6 1
North Salem South Salem	41	44	1 1 2
Trichinopoly	133	756	5 10 11
Tanjore	15	46	3 1 1
Total, Central Circle	685	5,420	7 14 7
Southern Circle.			
South Canara	376	4,625	12 4 9
North Malabar	5	216	43 3 2
South Malabar	12	(a) 382	31 13 4
The Nilgiris	83	1,636	19 11 4
North Coimbatore	71	1,030	14 8 1
South Coimbatore	3	6	2 0 0
Madura	..	..	..
Tinnevelly	46	1,202	26 2 1
Total, Southern Circle	596	9,097	15 4 3
Grand Total, Presidency	2,036	23,843	11 11 4

(a) Represents or includes cost of erecting cairns.
(c) Cleared by the subordinate forest establishment free of cost.
(e) Includes cost of rectification of boundaries.
(g) Includes also cost of cutting block lines.
(i) Represents or includes amount spent in demarcating coupe lines of working circles.
(k) The cost of demarcating the boundaries of certain coffee estates within the interior of certain forest reserves.

nent.			Reclearing old lines.			
During 1902–1903.			During 1901–1902.		During 1902–1903.	
Miles.	Cost.	Average cost per mile.	Miles.	Cost.	Miles.	Cost.
5	6	7	8	9	10	11
	RS.	RS. A. P.		RS.		RS.
109	814	7 7 6	41	334	260	794 + (l) 263
3	75	25 0 0	366	84 — (l) 42	252	..
3	39	13 0 0	3 (a) 786	(a) & (b) 1,310 — (l) 676	1,050	(b) 665
159	1,857	11 10 10	19	366	14	78 (b) 679 — (l) 42
226	(d) 1,583	7 0 1	..	..	..	..
70	404	5 12 4	429	203 — (l) 74	40	74 — (l) 347
..	..	..	4	4	2	(a) 25
570	4,772	8 5 11	1,648	1,509	1,618	2,189
35	(a) 216	6 2 9	11	15 — (l) 50	15	20
95	(a) 832	8 12 1	22 (c) 20	(a) 78 + (l) 3	47 (c) 1,768	147 + (l) 1
..	8	..	2 (c) 639	8 — (l) 22	449	(b) 897
..	..	..	(c) 2,091	— (l) 32	37 2,186	(e) 192
18	(a) 845	46 15 1	(c) 92	+ (l) 13	166	32 + (l) 1
31	67	2 2 7	2,582	451	30 (c) 881	88
7	20	2 13 9	(c) 62	+ (l) 126	72 (c) 866	168
45	767	17 0 9	5 (c) 388	59 — (l) 19	(c) 366	3
..	..	..	(c) 64	..	..	..
231	2,755	11 14 9	2,622 (c) 3,356	630	3,002 (c) 3,881	1,549
106	(a) 1,812	17 1 6	47	228 — (l) 67	32	8 — (l) 7
2	..	..	..	— (l) 98	..	(f) 185
45	372	8 4 3	15	166 + (l) 1	2	85
69	(a) 1,309	18 15 6	22	134 — (l) 6	76	895
105	(a) & (g) 2,343	22 5 0	12	67 + (l) 2,239	1	+ (l) 4
(h) 14	238	17 0 0	9	65 — (l) 2	..	119 — (l) 119
5	253 (i) 600	(j) 50 9 7	37 (c) 465	792 — (l) 71	(c) 512	+ (l) 1
50	750 (k) 1,036	35 11 6	38	231 + (l) 25	4	49 — (l) 9
396	8,713	22 0 0	180 (c) 465	3,704	115 (c) 512	1,211
1,197	16,240	13 9 1	4,450 (c) 3,821	5,843	4,735 (c) 4,393	4,949

(b) Represents or includes cost of temporary establishment.
(d) Includes Rs. 207 spent on demarcation of the enclosures in reserves under settlement and Rs. 43 in cutting coupe lines
(f) Amount reported to have been spent on the demarcation of part of the external boundary of the Padri reserve. This figure has been adopted from abstract G in the District report.
(h) Coupe lines of certain working circles.
(j) The average cost has been calculated on the actual cost, viz., Rs. 253 incurred in the permanent demarcation of the 5 miles of the reserve boundaries.
(l) Added or deducted as per Accountant-General's audited figures.

Compared with the previous year there was a decrease of 839 miles in the total length of lines permanently demarcated. The shorter outturn was mainly due to the fact that in several districts the work has already been completed or is approaching completion. The average cost per mile for the Presidency however shows a slight increase. Taking the circles individually it is noticed that in the Northern Circle the rate per mile decreased from Rs. 12–5–8 to Rs. 8–5–11, while in the Central and Southern Circles it increased from Rs. 7–14–7 to Rs. 11–14–9 and from Rs. 15–4–3 to Rs. 22, respectively. The work cost more in *South Arcot*, *Trichinopoly*, *South Canara*, *North Coimbatore*, *South Coimbatore*, *Madura* and *Tinnevelly* from the growth met with being more dense, stone slabs being erected in place of mud cairns and labour wages being higher. On the other hand in *Kistna*, and *South Malabar* a lower rate prevailed, the jungle cut being sparser and the total cost much reduced.

Reclearing Boundaries.

11. A length of 4,735 miles of line was cleared at a cost of Rs. 4,949 against 4,450 miles at a cost Rs. 5,843 in the previous year. A length of 4,393 miles was cleared by Forest subordinates free of cost against 3,821 miles in the previous year.

(iv) Forest Surveys.

(*a*) *By Survey of India Parties.*

12. As in previous years the combined Parties, Nos. 9 and 19, of the Survey of India were divided into sections each under the immediate charge of an officer of the Provincial service. Their outturn during the year is shown in the following statement:—

District.	Triangulation.	Traversing.	Topography.	
			Total.	Reserved forests.
	SQ. MLS.	MLS.	SQ. MLS.	SQ. MLS.
Kurnool	..	..	476	346
Cuddapah	..	..	575	457
South Canara	590	93	250	177
Coimbatore	..	..	111	..
Ganjám	1,090	284	..	..
Gódávari	350	161	..	..

In the subjoined table the areas surveyed and the cost during the year with those of the two previous years are compared:—

Description of work.	Area surveyed.			Cost rate per square mile.		
	1900–1901.	1901–1902.	1902–1903.	1900–1901.	1901–1902.	1902–1903.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Triangulation	1,335	1,680	2,030 }	8·8	8·3	8·4
Traversing	771	414	538 }			
Topography	1,378	1,306	1,411	58·0	58·8	58·0

The work in all the three classes shows progress and is in excess of that of the previous season. The average cost of triangulation and traversing has slightly increased and that of topography decreased. In calculating the cost per square mile of detail survey an area of 111·1 square miles of resurvey in North Coimbatore was included. The detail survey in the Cuddapah district was completed, though some boundary lines, wrongly demarcated and cleared, require resurvey.

The actual expenditure for the survey year including cost of instruments was Rs. 99,664 against Rs. 91,625 in 1901–1902. The amount debitable to the Forest Department excluding the contribution of the Government of India amounted to Rs. 64,881 as against Rs. 62,125 in the previous year. The increase is reported to be due principally to the debit of the full pay and allowances of the officer in charge

whereas in the previous year, a percentage of the same was charged to other departments. Other causes are increase of pay of establishment, additional local labour to overcome difficulties in the work, railway fares and increased charges for carriage of property since larger distances had to be travelled over on taking and returning from the field, notably in the South Canara, Gódávari and Ganjám sections.

The office at Bangalore was visited by the District Forest Officers of Kurnool, Cuddapah and South Canara for verifying the season's work. In all the three districts some of the maps had to be held over from publication owing to the verifications not being completed in time. Twelve sheets of the Kurnool district and thirty-six of Cuddapah have been forwarded to Dehra Dun for publication. In the South Canara district all the arrears of the previous season together with the area surveyed during the year, with the exception of two sheets, are reported to be ready for publication, it now being decided to adopt a provisional issue until such time as a definite decision is arrived at regarding the demarcation and survey of the Mysore-Canara boundary.

(*b*) *By Departmental Survey.*

13. The services of the surveyor attached to the Working Plans Officer were lent to the *Ganjám* district for about four months and he carried out contour survey over an area of 29½ square miles. In addition 45 linear miles were surveyed by Range officers and their subordinates. In *Vizagapatam* the Kodovatipudi ghât road and the site of Vizagapatam fuel depot were surveyed and contour maps were prepared for three reserves. In *Gódávari* and *Kistna* surveys were undertaken. In the first district the reserves in Bhadráchalam and Coringa extension were surveyed. In *Kurnool* the unreserved fields in the reserves under settlement were surveyed and sketches to accompany notification under section 4 were prepared. In *Chingleput* the laying out of coupe lines, &c., was done by the Range officers themselves; while in *North Salem* a surveyor was employed during the year on surveying coupes, preparing maps and estimates, tracing ghât roads, &c. In *South Salem* a surveyor was also on duty, but little work was turned out. In *South Canara* three blocks were surveyed and preliminarily demarcated. The teak plantations of the Begur range, *North Malabar*, were surveyed and mapped, and the Kottiyur and Ayankunnu blocks were surveyed for purposes of acquisition. In *South Malabar* soil maps for 1,406 acres were prepared for certain teak plantations and necessary preliminaries were completed for others, while in *South Coimbatore* nine coffee estates on the Anamalais were surveyed by a special surveyor.

The outturn of work by the draughtsmen employed in the various districts is shown in Appendix F. Eleven thousand four hundred and twenty-seven square miles were finally mapped out of the total area of 17,657 square miles of reserved forests. Particulars for each district are to be found in Appendix G.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

1. Regulation of Management.

(*a*) *Preparation of Working-plans.*

14. Working-plans for 1,399 square miles were sanctioned by the Board of Revenue during the year and plans for 2,217 square miles were under preparation at its close. As compared with the previous year's return these figures show a decrease under both heads which will now be explained.

Work of the Special Working-plans Officers.

Northern Circle.—Mr. Cox, the Special Working Plans Officer took leave in July 1902 and was succeeded by Extra Assistant Conservator Mr. N. M. Rego. The details of the circle work are given in the district summaries below.

Central Circle.—Extra Assistant Conservator M.R.Ry. V. S. Gurunatha Pillai Avargal continued to be the Special Working Plans Officer but was also attached to the Chingleput district as acting District Forest Officer for a period of 2½ months. His outturn was smaller from having to revise the Chandragiri working-plan for which a reconnaissance report was submitted in the previous year. He inspected the forests of

four ranges in *North Arcot*, prepared plans for Chandragiri and Chittoor forests and submitted a reconnaissance report for those of the Vellore range. The Chandragiri plan is still under reference to the Collector. The Chittoor plan was before the Board and has since been sanctioned.

Southern Circle.—The progress here was also less because no Working Plans Officer was employed for the greater part of the year. Mr. G. F. F. Foulkes, the Special officer, proceeded on long leave at the commencement of the year and was succeeded by Mr. A. P. Grenfell who soon after took leave on account of ill-health. While he was in charge, he inspected the reserves in the Erode range and prepared a reconnaissance report for them. On his departure no special officer being available for the work, the District Forest Officer, *North Coimbatore*, held the office as an additional charge.

The following summarises the work done in each district in this direction :—

Northern Circle.—In *Ganjám* two working-plans were prepared during the year comprising an area of 17 square miles one of which, prepared by Mr. S. Cox, Special Working Plans Officer, for the sal areas of the Mojjaguda and Kukuluba ranges, was sanctioned during the year and a supplemental one with further details prepared by the District Forest Officer awaited sanction. Plan for the Agusti Nowgam casuarina plantation (700 acres) submitted by the District Forest Officer was sanctioned towards the close of the year. In *Vizagapatam* preliminary work in connection with working-plans was carried out. In *Gódávari* working-plans for 350 square miles for Rékapalle hills, Marrigudem range, and Coringa reserve, and revised working-plan for the Bandamúrlanka and Kandikuppam plantations were sanctioned during the year. In *Kistna* the revision of the Kondapalli working-plan was pending. In *Kurnool* the working-plans for the Kurnool and Dhone working circles previously prepared and returned by the Conservator were revised during the year. A working-plan for 67 square miles for the Pattikonda range was under preparation. In *Bellary* the working-plan for 24 blocks in the Ádóni range remained under preparation. Statistics were collected and stock maps prepared for a working-plan for 26 blocks in the Bellary range. In *Anantapur* preliminary working-plans prepared for the forests in the Penukonda range were under consideration by the Conservator.

Central Circle.—Mr. N. M. Rego, Extra Assistant Conservator of Forests, was attached to the *Cuddapah* district till December 1902 to assist in the preparation of working circles and he was employed in Cuddapah and Kadiri ranges. Reconnaissances for the working-plans of Kadiri and Ráyachóti ranges, parts of Cuddapah and Sidhout ranges and Idupalapaya palmyra plantation were prepared and submitted to the Conservator and are under reference to the District Forest Officer. In *Nellore* the area brought under regular management decreased from 553 square miles to 400 square miles during the year, owing to the abolition of the compartment system of grazing which occupied an area of 257 square miles. The revised Rapúr scheme for the regulation of goat-browsing covering an area of 104 square miles was sanctioned by the Board, and proposals to bring 92 square miles of reserved forests in the Átmakúr and Udayagiri taluks under a similar scheme were submitted to the Board and ordered to lie over pending the result of the scheme in Rapur. The revised Sarvepalli working-plan was approved by the Conservator while plans for the Penad and Venad reserves are stated to be under preparation. Reconnaissance reports for eight working circles of the Chingleput range were approved of by the Conservator, while plans for the remaining circles of the range were under preparation. In *North Arcot* the work was done by the Special Working Plans Officer as already observed above. In *South Arcot* Extra Assistant Conservator M.R.Ry. C. M. Maduranayakam Pillai Avargal inspected the reserves in the Kallakurchi range and submitted reconnaissance reports for three working circles besides the compilation of a statement for the arrangements of beats and working circles throughout the range. During the year a working-plan for the Uttankarai range for 21 square miles in *North Salem* and another for Tiruppattúr range for 138 square miles were prepared and were under consideration with the Conservator. Necessary data were collected for the preparation of plans for the Dharmapuri and Hosúr ranges. In *South Salem* a working-plan of the Lokur Working Circle was sanctioned. Reconnaissance reports for the hill forests of the Atur range were prepared by Mr. J. A. Daly, Extra Assistant Conservator of Forests. Two of the former were approved by the Conservator. Reports for ten proposed working circles,

Salem East Range, covering an area of 106 square miles were under preparation. In *Trichinopoly*, the prescriptions for the Cauvery South Bank plantations in the Kulittalai range were revised and sanctioned by the Board.

Southern Circle.—In *South Canara* working-plans submitted at the close of the previous year for the forests of Coondapoor, Udipi, Uppinangadi and Mangalore ranges as well as those of Begur and Chedleth ranges in *North Malabar* were sanctioned during the year. The supplement to the Nilambur working-plan in *South Malabar* was sanctioned after its close only. In *North Coimbatore* working-plans for two sandalwood areas in Kollegal and a preliminary scheme for the supply of fuel and small timber to the Kollegal town were prepared. In *Madura* data for preparing working-plans for Kodaikánal and Tandigudi ranges were being collected and experimental coupes opened with a view to test the demand. In *Tinnevelly* three plans were prepared, two of which as also four plans prepared and submitted previously received the Board's sanction, and the third plan was for the plain taluks of Ottappidáram, Srivaikuntam and Tinnevelly.

(*b*) *Annual Plans of Operations.*

15. The Annual plans of operations were adhered to except in the following instances :—

Northern Circle.—In *Vizagapatam* the construction of the road across the Kavadipudi reserve to the Railway line is deferred until the Railway Company builds a station where the road is to reach it. The final demarcation of Panem, Gani and of the North and South Veligonda reserves in *Kurnool* was not carried out because the first two were not finally notified and the extension of the latter two was not settled. The construction of a rest-house was undertaken at Chelama in place of the one proposed at Ramannakatwa. Owing to the frequent changes in the Executive staff of Kudligi range in *Bellary*, no working-plan was prepared for Chiribi reserve and consequently the felling provided for was held in abeyance. The felling of trees other than the standards in a coupe of 22 acres in Rayadrug reserve was permitted to the glass bangle makers for Rs. 44. Removal of brushwood on permits was allowed in a portion of Chiribi reserve. The hill bungalow at Penukonda in *Anantapur* was not repaired, as the Conservator decided that it would be a waste of money to do so.

Central Circle.—In *Cuddapah* no fresh collection of redwood roots and stumps was made, the market being overstocked, but payment was made for $81\frac{5}{8}$ tons collected during the previous year. Departmental operations in Badvel could not be started as proposed for want of establishment. In *Nellore* the parcellaire or compartment system of grazing was abolished towards the close of the year with effect from the 20th March 1903 while a scheme for the regulation of goat-browsing in Rapúr taluk was introduced and worked during the year. The construction of an inspection path up the Penchalakona hill was abandoned and the Range office buildings and rest-houses were not constructed. Also the wood in compartment No. 1 of Dugarazapatam was sold as standing growth instead of being worked departmentally. For want of demand a less number of coupes was sold in the *Chingleput district.* In *North Arcot* the supply of agricultural implements and the collection and sale of redwood was undertaken through contractors instead of this timber being worked departmentally. The collection and sale of fuel in certain depots was postponed. Owing to the non-introduction of the Timber Transit rules the tannah huts proposed were not constructed and no tannadars were entertained. The allotments for road construction and certain other works were not fully spent owing to the illness or inefficiency of the rangers. Rectification of demarcation and reclearance were undertaken only to a small extent. In *South Arcot* two coupes of Shonankuppam in the Coast Casuarina plantations were decided to be left blank with a view to let in more air to Cuddalore Old Town. Certain coupes were not sold as proposed, and the building provided for in the Tiruvannámalai range was not constructed owing to pressure of work. In *South Salem* the repairs to the Salem Range office buildings were not completed, while the construction of an anicut across the stream in Jambuthu reserve was not commenced for want of establishment; that of a bridle-path down the Kuttiar valley was commenced but not completed. Certain coupes were not felled in *Trichinopoly* owing to deviations in the plans that occurred in previous years and to the absence of the expected demand from the South Indian Railway.

Southern Circle.—The construction of a rest-house in the Uppinangadi range, *South Canara*, and two guards' huts in the Puttúr range was not taken in hand for want of funds, while the guards' huts in the Mangalore range were left unbuilt owing to delay in obtaining sites. In the *Nilgiris* timber was not felled in Benne forests as some rest for the forests was thought necessary and the working of Jakanare slopes was not carried out as there was no response to the invitation for tenders. In *North Coimbatore*, a less quantity of timber was felled and less sandalwood collected than anticipated. In *South Coimbatore* the construction of new quarters and office for the timber depot-keeper at Pollachi and range quarters and office at Dhali was not carried out as the works could be deferred. Though not provided for in the plan of operations, fuel felling in Udamalpet range, extension of tram-line, repairs to saw mill at Mount Stuart and repairs to the Range officer's quarters at Udamalpet were undertaken. The building in the Coimbatore timber depot was also reconstructed and supports and improvements to the wire rope-way were erected. In *Madura* fuel supply to the railway was undertaken departmentally and the trees in Cumbum and Kodaikánal ranges were felled under a modified permit system. In *Tinnevelly* the supply of test railway sleepers was undertaken.

2. Communications and Buildings.

16. The subjoined statement shows the outlay on communications and buildings during the year under report as compared with the previous year :—

	1901–1902.	1902–1903.
	RS.	RS.
Roads and bridges	54,010	43,604
Buildings	48,837	53,739
Other works	10,991	9,806

Comparing the figures there has been an increase of expenditure under "Buildings" and a decrease under the other two heads, especially under "Roads and Bridges". The decrease under "Roads and Bridges" was due mainly to the important works undertaken in North Arcot and North Coimbatore in the previous year.

Under "Roads and Bridges", the important works undertaken in the *Northern Circle* were the cutting of a track and new block lines in *Ganjám* and the construction of a cart track from Jaddangi to Bonadapalli in *Gódávari*. In *Kistna*, three permanent roads, 8¾ miles long, were made, while in Kurnool, the Velgode-Sudempenta road and a portion of Diguvametta-Malkondapunta road, Cumbum range, were completed. In the *Central Circle*, the reconstruction and repair of the Pennagaram-Anaibiddahalla road, 11½ miles long, were undertaken in *North Salem*. In *South Salem*, a cart-track from coupe No. 1 of Lokur Working Circle to the Salem-Toppur road was constructed. In the *Southern Circle*, a new cantilever bridge in the Chedleth range, *North Malabar*, was nearly completed during the year, while in *South Malabar*, compartment roads, 8 miles long in the Karimpoya plantation, were made. In *North Coimbatore* roads and export lines of a temporary character and a rough cart track, 19 miles long, were made. There were no works of importance in other districts, but petty repairs went on in all.

Under "Buildings" the increase occurred mainly in the *Southern Circle* where the expenditure amounted to Rs. 32,201 against Rs. 24,234 in the previous year. The bulk of the increase was spent in *South Coimbatore* and *North Coimbatore*. The most important works under this head in the *Northern Circle* were the completion of a rest-house in Tamana, the construction of another at Gazilibadi in *Ganjám* and a third at Venkatapuram in *Vizagapatam*. Two Range offices were constructed in the Bhadrachalam division of the *Gódávari district*. In *Kurnool*, the building of a rest-house at Chalama was undertaken, while in *Anantapur* one at Amagondapaliem undertaken last year was completed. In the *Central Circle* the Udayagiri range office building in *Nellore* and the staking of the Kondleru river to protect the Kistnapatam rest-house were completed. In the *Southern Circle* the construction of a rest-house in the Coondapoor range, *South Canara*, was completed. The new District Forest Office, the Attipadi rest-house and godown to the District Forest Officer's lodging were among the chief works in *South Malabar*. In the *Nilgiris* a wooden serambi for the Segur Range officer's residence and office was constructed. In *North Coimbatore* the erection of rest-houses was commenced at Ekkatur, Kalkadambur and Uganiyam and good progress made during the year. The building of fitters' quarters

in Mount Stuart was the chief work done in *South Coimbatore.* In *Madura* a rest house with out-houses in the Kodaikánal range, and another in Aiyanarkovil in *Tinnevelly* were built. There were no works of importance in other districts. Petty construction such as inspection sheds, guards' and watchers' huts, etc., and general repairs were carried out.

Under "Other works", the amount was spent in constructing wells, reservoirs, etc., to secure a better supply of water.

Tramways.—In the Sriharikota range, *Nellore district*, 8,584 tons of produce were carried or 21,460 ton-miles were run as against 9,460 tons or 23,650 ton-miles in the previous year; in the Coast range, 7,879 tons or 22,285 ton-miles were trammed against 5,523 tons or 13,561 ton-miles in 1901–1902. During the year a sum of Rs. 1,616–14–0 was spent on the purchase of ten new trucks from Messrs. Fowler & Co. In *South Coimbatore* the total quantity of timber trammed during the year was 913 tons or 2898 ton-miles against 1214 tons or 4235 ton-miles in the previous year. Of these 130 tons were drawn by Government bullocks. The poor outturn is reported to be due to heavy rains and to the failure of the contractor to carry out his contract.

3. Protection of Forests.

(*a*) *General Protection.*

17. The following table shows the offences against the Forest laws which came under observation during the year :—

Circle.	Cases taken into Court.				Cases compounded.				Cases undetected.				Total cases.				Grand total of cases.
	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Injury to forests by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern ..	25	893	592	203	10	1,634	1,308	332	54	83	75	9	89	2,610	1,975	544	**5,218**
Central ..	20	2,039	1,734	148	2	5,362	4,510	291	240	338	147	28	262	7,739	6,391	467	**14,859**
Southern ..	29	479	265	139	2	1,262	435	193	88	46	92	18	119	1,787	792	350	**3,048**
Total ..	74	3,411	2,591	490	14	8,258	6,253	816	382	467	314	55	470	12,136	9,158	1,361	**23,125**

Compared with the previous year, the total number of cases decreased by 625 in the combined circles. The decrease in the *Northern Circle* was partly counterbalanced by an increase in the *Central* and *Southern Circles.* This net decrease of 625 in the total number of cases in the Presidency occurred under "unauthorized felling" and "grazing". There was a slight increase under the remaining two heads.

Under "injury to forests by fire", the number of cases was distributed over almost all districts though chiefly in *North Arcot* due to the heavy growth of grass on account of rains and to better record made of the fires which occurred during the year.

The decrease in the number of cases under "unauthorized felling" occurred mainly in the districts of *Kistna*, *Vizagapatam* and *Cuddapah*, partly counterbalanced by a large increase chiefly in *South Arcot.* The decrease in *Kistna* is ascribed to better supervision by the controlling officers and that in *Cuddapah* to the opening of coupes and departmental supply of redwood, etc., for agricultural and other purposes. The increase in *South Arcot* was due to better protection and increased vigilance of the subordinate staff. Under "grazing" the number of cases decreased largely in *Kistna*, *North Arcot* and *Cuddapah*, partly counterbalanced by an increase chiefly in *Nellore.* The decrease in *Kistna* was due to causes explained under "unauthorized felling", while that in *Cuddapah* and *North Arcot* was due to the fact that the season was exceptionally favourable and permits were taken freely. The punishments inflicted in forest cases had also a deterrent effect, particularly in the case of goat-browsing. The increase in *Nellore* is ascribed to better supervision of the forest

areas. Under "other offences" the increase occurred mainly in *Kurnool* due to unauthorized cultivation. The number of cases pending at the close of the year was 3,699 against 4,129 in the previous year.

The number of undetected cases was 1,218 against 974 in the previous year. The increase occurred chiefly in *North Arcot* and *Kistna*. In the former district causes for a greater number of fires were unknown, while, in the latter, the increased number of cases was chiefly under "grazing" and "unauthorized felling" the culprits for which were not traced out.

18. The following statement shows the result of cases brought to trial:—

Circles.	1901–1902.		1902–1903.		Percentage of failures.	
	Convictions.	Acquittals.	Convictions.	Acquittals.	1901–1902.	1902–1903.
Northern Circle	1,693	144	1,368	162	7·83	10·58
Central Circle	3,928	443	3,981	345	10·13	7·97
Southern Circle	759	115	746	137	13·15	15·51
Total ..	6,380	702	6,095	644	9·91	9·55

The number of cases taken into court during the year was 8,772, of which 2,206 were pending at the beginning of the year. 6,095 of the total number of cases ended in convictions, 644 cases were acquitted and 478 cases were withdrawn under the District Forest Officers' orders, leaving a balance of 1,555 cases at the close of the year.

19. The following statement compares the compensation fees realized during the year with the figures of the previous year:—

Circles.	1901-1902.		1902–1903.	
	Number of cases.	Amount recovered.	Number of cases.	Amount recovered.
		RS.		RS.
1. Northern Circle	3,491	23,670	2,809	18,225
2. Central Circle	9,101	63,348	9,403	56,435
3. Southern Circle	1,235	10,410	1,453	9,896
Total ..	13,827	97,428	13,665	84,556

The total amount collected was Rs. 84,556 against Rs. 97,428 in the previous year. The decrease was due to the less realization of fees notably in the districts of *North Arcot*, *South Arcot* and *South Coimbatore*. The decrease in *North Arcot* was due to fewer "wholesale" offences and that in *South Arcot* to a fall in the total number of grazing offences reported on during the year. In *South Coimbatore* the less amount realized this year was due to the compounding of a big timber theft case for Rs. 3,000 in the preceding year.

20. Rewards were as usual sparingly granted. In *Ganjám* a sum of Rs. 2–12–0 was given in two abkári cases. In *Vizagapatam* Rs. 10 were awarded to a forest guard in two cases, while in *Gódávari* Rs. 100–8–0 were disbursed to abkári officers, etc., for detection of forest cases. In *Anantapur* Rs. 22–8–0 were awarded to informers and Rs. 26–0–0 to the Abkári Department. In *South Arcot* a sum of Rs. 20–0–0 was disbursed to certain forest watchers. No rewards were disbursed in the other districts of the Presidency.

(*b*) *Protection from Fire.*

21. As shown in Form No. 51, the sum of Rs. 41,042 was spent during the year on special fire protection operations.

The area subjected to special measures amounted, as shown in Form No. 51, to 5,545 square miles against 5,550 square miles in the preceding year. Of these 5,031 square miles were successfully protected against 5,348 square miles in the previous year. The proportion of failures rose from 3·63 per cent. to 9·27 per cent. and the cost per square mile successfully protected rose from Rs. 6–13–11 to Rs. 7–6–5.

The average cost per square mile was less in the Northern and Central Circles, but greater in the Southern Circle and for the Presidency. Considering the districts individually, the areas attempted decreased mainly in *Ganjám*, *Vizagapatam*, *Bellary*, *Cuddapah* and *North Malabar*, and remained almost the same in *Chingleput* and *the Nilgiris*. In *Tanjore* no special protection was undertaken as the forest areas are small. Additional areas chiefly in *Gódávari*, *Nellore*, *South Salem*, *South Canara*, *North Coimbatore* and *Madura* were brought under protection. There was an increase in the amount expended principally in *Ganjám* and *North Malabar*, and a noticeable decrease chiefly in *Vizagapatam*, *Kurnool*, *Bellary* and *North Arcot*. The increase in *Ganjám* was due to the larger area brought under rigid protection and to the exceptionally dry season. In *North Malabar* it was due to felling of timber standing on fire lines. The decrease in *Vizagapatam* was due to the abolition of fire patrols. In *Kurnool* the decrease was due to the non-employment of fire patrols and the employment of Chenchus who have to be paid at the end of the fire season. Special protection in *Bellary* was restricted exclusively to areas which had been felled over in the current and previous five years. In *North Arcot* the decrease is ascribed to the less area protected during the year under report.

The following statement shows the origin of fires as reported:—

Division or Circle.	A. Fire caused by accident or through carelessness in burning fire lines.		B. Fires entering the forests by crossing exterior fire traces.		C. Fires beginning inside the reserve on fire-traced areas.							
					Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest produce, and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern Circle.												
Ganjám	6	105	15	359	1	320	15	1,337	..	..	..	..
Vizagapatam	3	2,420	..	..	..	..	..	..	..	..	..	..
Gódávari	1	40	19	40,740	..	..	17	2,636	..	..	..	..
Kistna	..	..	..	..	..	..	5	175	..	..	..	..
Kurnool	..	..	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	3	..	..	..	..	..
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..
Total, Northern Circle ..	10	2,565	34	41,099	1	320	40	4,148	..	..	..	..
Central Circle.												
Cuddapah	2	14	1	1,920	7	9,531	2	970	..	..	..	..
Nellore	..	..	3	590	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	2	250	27	8,125	13	9,987	17	2,619	3	28	2	101
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	13	9,715	3	1,080	..	..	7	1,791	..	..	..	..
South Salem	..	..	..	..	..	..	8	408	..	..	..	..
Trichinopoly	..	..	2	44	..	..	..	..	..	..	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	17	9,979	36	11,759	20	19,518	34	5,788	3	28	2	101
Southern Circle.												
South Canara	1	5	3	55	1	60	10	465	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	2	160	..	..	..	..	..	..	..	..	..	..
North Coimbatore ..	1	3	4	5,650	1	3	7	7,560	..	..	..	..
South Coimbatore ..	..	..	..	..	4	1,958	2	40	..	..	..	..
Madura	..	..	15	924	1	2	3	41	..	..	..	..
Tinnevelly	2	43	3	345	2	3	6	392	..	..	1	100
Total, Southern Circle ..	6	211	25	6,974	9	2,026	28	8,498	..	..	1	100
Total, Presidency ..	33	12,755	95	59,832	30	21,864	102	18,434	3	28	3	201

Division or Circle.	C. Fires beginning inside the reserve or fire-traced areas—*cont.*										Total A, B and C.	
	By intentional firing.								Causes unknown.			
	In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.					
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
	14	15	16	17	18	19	20	21	22	23	24	25
Northern Circle.												
Ganjám	..	..	..	..	5	578	21	2,235	8	89	50	2,788
Vizagapatam	..	..	..	..	2	2,568	2	2,568	..	..	5	(b) 4,988
Gódávari	13	4,531	4	13,931	..	..	34	21,098	4	600	58	(a) 62,478
Kistna	..	..	1	10	2	63	8	248	6	3,050	14	(a) 3,298
Kurnool	..	..	..	..	..	..	..	Not known	10	34,785	10	34,785
Bellary	..	..	..	..	..	..	3	..	14	2,455	17	(b) 2,455
Anantapur	..	..	..	..	..	..	..	..	26	9,106	26	9,106
Total, Northern Circle ..	13	4,531	5	13,941	9	3,209	68	26,149	68	50,085	180	1,19,898
Central Circle.												
Cuddapah	42	24,904	..	..	2	14,800	53	50,205	9	10,915	65	(a) 63,054
Nellore	7	3,090	..	..	..	..	7	3,090	1	600	11	4,280
Chingleput	..	..	..	..	..	..	..	..	..	..	..	(c) ..
North Arcot	135	30,706	2	400	16	4,693	188	48,534	4	81	221	56,990
South Arcot	..	..	..	..	..	..	..	..	16	4,561	16	4,561
North Salem	13	1,437	..	..	1	5	21	3,233	20	5,659	57	(a) 19,687
South Salem	1	20	..	..	1	1,026	10	1,454	54	2,858	64	(a) 4,312
Trichinopoly	..	..	..	..	..	..	..	..	2	14	4	(a) 58
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	198	60,157	2	400	20	20,524	279	106,516	106	24,688	438	1,52,942
Southern Circle.												
South Canara	9	112	4	42	2	1,075	26	1,754	11	182	41	(b) 1,996
North Malabar	..	..	..	..	..	..	..	..	3	518	3	518
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	2	160
North Coimbatore ..	..	..	..	..	1	60	9	7,623	74	29,435	88	(a) 42,711
South Coimbatore ..	2	45	..	..	1	51	9	2,094	11	460	20	2,554
Madura	3	1,070	..	..	1	2	8	1,115	53	2,639	76	(a) 4,678
Tinnevelly	24	12,394	3	1,080	5	1,579	41	15,548	19	7,249	65	23,185
Total, Southern Circle ..	38	13,621	7	1,122	10	2,767	93	28,134	171	40,483	295	75,802
Total, Presidency ..	249	78,309	14	15,463	39	26,500	440	1,60,799	345	1,15,256	913	3,48,642

(a) Includes other than protected areas.

(b) The discrepancy between this figure and that entered in column 6 of Form No. 51 has not been explained.

(c) In column 6 of Form No. 51, an area of 301 acres is entered as having been burnt. The discrepancy has not been explained.

Northern Circle.—In *Ganjám* an area of 2,716 acres under rigid protection was burnt. Most of the fires were of small extent, but a single fire burnt 235 acres and it was due to the traces having been made only to a width of 40 feet. In *Vizagapatam* the protection of forests other than those under systematic treatment was attempted successfully by abolishing fire-patrols and interesting the neighbouring villages in the matter of fire-protection. Large areas were burnt in *Gódávari* by Podu cutters in unreserved lands and by jungle tribes who collect fruit, honey etc., in the reserves. The question of preventing these is being considered. In *Kistna* a case of incendiarism was successfully prosecuted and the accused was convicted and sentenced by the Magistrate. In *Kurnool* no fire-patrols were appointed, but attempts were made to induce the Chenchus to actively assist the department, as without their co-operation, fire conservancy in the Nallamalais will never be successful. There were many fires in *Bellary* and a large majority of them was due to graziers. The question of how best to prevent them is under consideration. In *Anantapur* the Iyampatti reserve bordering the Mysore frontier from which two fires crossed over last year was placed under partial protection. There were 26 fires during the year many of which were believed to be due to incendiarism.

Central Circle.—In all, nine cases of incendiarism in *Cuddapah* were detected and the culprits prosecuted. One case of incendiarism in the Proddatur Nallamalais, lit simultaneously in three points, covered an area of 12,000 acres. Two men were charged and prosecuted but they were acquitted for want of conclusive evidence of identification. In *Nellore* eleven fires occurred in all, covering 4,280 acres, four of which were probably accidental but the other seven were reported to have been lit by the graziers of the adjoining villages with a view to obtain green grass. There was a small fire in the Nagalapuram reserve in *Chingleput* which damaged only grass lands and shrubs. The increase in the number of fires and the area burnt in *North Arcot* was largely due to graziers particularly in the Chandragiri, Palmanér and Pólúr ranges. There were sixteen fires in the specially-protected blocks in *South Arcot* and seventeen in *North Salem* which burnt an area of 4,561 acres and 4,655 acres respectively. Seven of the fires in the latter district were caused by travellers but the causes for the remaining ones were unknown. The offenders were detected in two cases, in one of which the accused was sentenced by the Magistrate while the other case was pending at the close of the year. The increased fire-burnt area in *South Salem* was chiefly due to the Harur specially-protected block having been intentionally set fire to in three places simultaneously. The forest hay stacks in two reserves were also deliberately burnt at night. There were four fires in *Trichinopoly*, two of which crossed over the fire lines and the origin of the remaining two was unknown. In all an area of 58 acres was burnt. Convictions were secured in all the cases taken to Court. As usual there were no fires in *Tanjore* and no protection was considered necessary there being very little grass in the reserves.

Southern Circle.—In *South Canara* 1,000 acres were burnt by a fire caused by carelessness of travellers. There were no fires in the specially-protected blocks in *North* and *South Malabar*. In the *Nilgiris* there were only two fires caused by carelessness in burning fire lines and the area burnt was 100 acres. Except in the Talamalai reserve and the Minchiguli block in *North Coimbatore* there were no fires in the specially-protected blocks. There were twenty fires in *South Coimbatore* which burnt an area of 2,554 acres. In *Madura* the Sholahs on the Upper Palni hills were successfully protected during the year. Of the fires in *Tinnevelly* one crossed the exterior fire lines, five were caused by graziers, one by the carelessness of workmen and one was due to incendiarism.

22. The following statement shows an estimate of the areas in districts which escaped conflagration by their natural constitution or for other reasons:—

District.	Area.	Remarks.
	SQ. MLS.	
Ganjám	33 ...	Scarcity of growth.
Kistna	819·11 ...	Rocky soil with little grass.
Bellary	49 ...	Rocky soil with no growth.
Cuddapah	247·9 ...	Rocky soil with little grass.
Nellore	450 ...	Do.
Chingleput	188·28 ...	No reasons are given.
North Arcot	319 ...	Rock without grass, also scrub jungle or evergreen forests.
South Arcot	468 ...	Want of grass owing to heavy grazing.
North Salem	833 ...	Rocky soil with no grass.
South Salem	689 ...	Do.
Trichinopoly	176 ...	Do.
Tanjore	19 ...	Sandy or marshy soil.
South Canara	218 ...	Rocky soil with no grass.
North Malabar	98 ...	Evergreen forests.
South Malabar	Cannot be correctly estimated in the absence of surveys.	Evergreen ghât forests and a portion of Tope reserve surrounded by water.
South Coimbatore	100 ...	Evergreen forests.
Tinnevelly	296 ...	No reasons are given.

In the *Nilgiris*, *North Coimbatore* and *Madura* no areas are immune. The Collector of *Salem* (*South*) reports that the figures now furnished are unreliable and reliable figures for *Vizagapatam*, *Gódávari*, *Kurnool* and *Anantapur* are not available.

(c) *Protection and Cattle.*

23. The areas open and closed respectively to grazing in each district are shown in Form No. 52 and the number and kind of animals that grazed free or on payment of fees in the reserved forests and lands are recorded in Form No. 53. The total area of reserved forests and reserved lands fell from 19,566 to 19,455 square miles. Of these, 1,867 square miles were closed to all animals during the year and 50 square miles for a portion of the year against 1,727 and 492 square miles, respectively, during 1901–1902. Taking the circles individually, the area closed throughout the year increased while that for part of the year decreased in each.

The total number of all kinds of animals grazed on payment was 3,352,456 against 3,943,743 or 591,287 less than in the previous year. The fall in the number of cattle was chiefly under sheep and goats due to the restriction of areas open to goat-browsing and to sale of goats by the ryots in several places.

Free grazing was permitted in the Agency reserves in *Vizagapatam*. In *Cuddapah* free cutting and removal of grass allowed from all reserves in previous years was discontinued from December 1902. In *North Salem* the usual concession of cutting and removal of grass was continued.

Goat-browsing.—As in previous years goat-browsing was strictly prohibited in *Ganjám*. In *Kurnool* it was stopped in all the reserves except in a portion of the Gani reserve. In *Cuddapah* and *North Salem* an area of 69 and 44 square miles respectively was open to grazing to animals of all kinds including browsers. In *Chingleput* goat-browsing was allowed only on the Royal Artillery range over an area of half a square mile with a view to keep down the growth. In *North Arcot* an area in the Gudiyáttam range was open for browsing. The question of opening portions of reserves for goat-browsing in *South Salem* was under consideration. In *South Malabar* Beypore reserve (54 acres) was the only area open to browsing and non-browsing animals.

24. The following table gives an analysis of the cattle impounded during this and the previous year :—

Districts.	From open forests.		From closed forests.				Total.	
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.		
	1901–1902.	1902–1903.	1901–1902.	1901–1902.	1902–1903.	1902–1903	1901–1902.	1902–1903.
Northern Circle.								
Ganjám	1,472	1,049	..	2,412	..	1,421	3,884	2,470
Vizagapatam ..	6,081	1,541	..	420	..	..	6,501	1,541
Gódávari	3,490	3,603	..	1,311	..	688	4,801	4,291
Kistna	37,905	6,044	..	14,920	1,256	9,880	52,825	17,180
Kurnool	21,502	31,093	..	3,474	..	5,572	24,976	36,665
Bellary	8,987	13,700	..	2,382	..	568	11,369	14,268
Anantapur	16,158	17,785	..	1,440	..	268	17,598	18,053
Total, Northern Circle ..	95,595	74,815	..	26,359	1,256	18,397	121,954	94,468
Central Circle.								
Cuddapah	(a) 38,020	16,173	..	44,691	..	30,182	82,711	46,355
Nellore	25,299	27,396	..	25,969	..	30,833	51,268	58,229
Chingleput	1,969	5,159	..	3,620	..	509	5,589	5,668
North Arcot	(a) 24,731	16,087	..	(a) 39,890	..	20,814	64,621	36,901
South Arcot	52,999	37,771	..	27,335	..	17,136	80,334	54,907
North Salem	7,944	5,419	..	851	..	7,390	8,795	12,809
South Salem	4,279	4,144	..	10,620	..	9,193	14,899	13,337
Trichinopoly ..	(a) 14,566	15,175	..	(b) 2,085	..	1,163	16,651	16,338
Tanjore	949	993	..	165	..	45	1,114	1,038
Total, Central Circle.	170,756	128,317	..	155,226	..	117,265	325,982	245,582

(a) Revised figure reported by Collector. (b) Newly reported by Collector.

Districts.	From open forests.		From closed forests.				Total.	
			Holding permits for open forests.	Having no permits.	Holding permits for open forests.	Having no permits.		
	1901-1902.	1902-1903.	1901-1902.	1901-1902.	1902-1903.	1902-1903.	1901-1902.	1902-1903.
Southern Circle.								
South Canara ..	(a) 1,272	837	..	122	..	101	1,394	938
North Malabar ..	58	..	..	4	..	..	62	..
South Malabar ..	16	21	..	14	..	(b) 1	30	22
The Nilgiris	562	352	518	93	396	89	1,173	837
North Coimbatore ..	3,044	6,524	..	820	..	1,287	3,864	7,811
South Coimbatore ..	1,407	4,660	..	352	2	1,099	1,759	5,761
Madura	5,285	11,884	..	..	..	..	5,285	11,884
Tinnevelly	520	1,399	..	3,519	..	1,686	4,039	3,085
Total, Southern Circle ..	12,164	25,677	518	4,924	398	4,263	17,606	30,338
Grand Total, Presidency ..	278,515	228,809	518	186,509	1,654	139,925	465,542	370,388

(a) Revised figure reported by Collector. (b) Elephant.

The number of animals of all classes impounded during the year was 370,388 against 465,542 in the previous year, the decrease being most noticeable in *Kistna*, *Cuddapah*, *North Arcot* and *South Arcot*. This decrease was however partly counter-balanced by an increase chiefly in *Kurnool*, *Nellore* and *Madura*. The decrease in *Kistna* is accounted for partly by increase in the number of cattle licensed and partly by better protection. In *Cuddapah* it was due to the deterrent effects the heavy compounding fees had on the graziers and to sale of goats by the owners on account of the enhanced rate of grazing fees. In *North Arcot* the decrease is ascribed to greater vigilance on the part of the forest subordinates and the cattle owners' knowledge of the penalties for default. The fall in *South Arcot* is chiefly due to the rise in the number of permits taken during the year. The increase in the number of cattle impounded in *Kurnool* is accounted for by the prohibition of goat-browsing in the reserves. In *Nellore* it is ascribed to better protection and close supervision over the staff, while in *Madura* it was due to the strict enforcement of rules to prevent illicit grazing with the connivance of forest subordinates.

(*d*) *Protection of growth against injuries from natural causes.*

25. In *Ganjám* the boring larvæ killed a number of casuarina trees and another species of insect defoliated the *Shorea robusta*. The attack was however within small limits, and the species were sent to Mr. Stebbing for suggestion of methods for their destruction. In *Gódávari* a collection was made of the larvæ of the insects that eat teak leaves and borers on *Xylia* trees. Some casuarina seedlings in *Kistna* were damaged by the grub of a beetle which eats the roots, and on the advice of the Superintendent, Calcutta Museum, all dead wood and refuse were cleared away to ensure favourable (*Sic*) breeding. Many of the old casuarina trees began to dry up at the crown for causes yet to be traced. In *Anantapur* the new flush of teak leaves was reported to have been attacked by larvæ and necessary investigation was being made for their identification. In *Cuddapah* different parasites were found to be devastating valuable trees in the reserves near Kodur. Herbarium specimens of the different species were sent to the Government Botanist with a view to their being identified. In *Nellore* no appreciable damage was done by the casuarina borer, apparently due to regular waterings and seasonable rains. In *North Arcot* further specimens of the beetle and of the caterpillar mentioned in the last year's report were sent to the Government Entomologist, Calcutta. Another insect was found to permanently injure the mango trees and specimens of these were being collected for identification. In *North Salem* climbers and creepers affecting standard trees were cut and the sandal trees on the Javadis were similarly released. *Lantana* was gradually spreading itself in *North Malabar*. In *South Malabar* the ravages of the caterpillar in the teak plantations

were cut short by early rainfall. During the year the Forest Entomologist visited the plantations. The *Loranthus* parasites form another source of injury in the district, while the wild elephants damage the young plantations in the Amarampalem range. In the *Nilgiris* the sandalwood plantations were cleared of creepers and *Lantana* to facilitate the growth of seedlings.

4. Sylviculture.

(*a*) *Natural Reproduction.*

26. *Northern Circle.*—In *Ganjám* the seeding of *Shorea robusta* this year was as poor as in the previous season. There was a fair reproduction of *Terminalia tomentosa*, *Terminalia chebula*, *Terminalia arjuna* and wild mango in the *Vizagapatam* district. Reproduction by coppice was also satisfactory. Natural reproduction was good throughout the *Gódávari* district. In *Kistna*, reproduction by suckers in the Guntúr babul working circle was satisfactory. This year, the dibbling of margosa seeds in the Bezwada reserve was successful. The seeds of *Hardwickia binata* germinated in Vinukonda and Palnad ranges especially in the closed areas. Natural reproduction especially that of teak in the Nallamalais in the *Kurnool* district showed marked improvement in the areas successfully protected from fire. Except in the leased forests and in the specially protected *Hardwickia* block of Bellary reserve, there was no natural reproduction by seed in *Bellary* owing to excessive grazing and the dryness of the soil. Coppicing was fair in the areas felled over and placed under protection. In *Anantapur*, regeneration of babul growth was as usual good, of *Dolichandrone crispa* and *Chloroxylon swietenia* fair, and of *Anogeissus latifolia* bad. During the year two sample plots of *Hardwickia binata* and *Chloroxylon swietenia* were selected in Kottakota reserve to gauge the rate of growth and natural reproduction.

Central Circle.—In *Cuddapah* reproduction by coppice, particularly that of redwood, was excellent in the felled coupes of Cuddapah and Sidhout blocks, though two of the coupes were affected by fire to a small extent. In *Nellore* reproduction from coppice continued good in the Sríharikóta reserve, fair in the Sarvepalli and Kávali working circles, good from seed in the palmyra-bearing areas; elsewhere it was poor. In *Chingleput*, seedlings of satinwood, babul and sâl were thriving in the Tiruvallúr range. Coppice growth of *Zizyphus xylopyra*, *Memecylon edule* and *Diospyros ebenum* was favourable and the seeds of *Melia indica* germinated well. Reproduction from seed in *North Arcot* was very encouraging in the fire-protected areas closed to grazing. *Anogeissus latifolia*, *Terminalia tomentosa*, *Pterocarpus santalinus* and *Chloroxylon swietenia* were thriving well in the blocks not damaged by fire. Reproduction from coppice was particularly good in the case of *Premna tomentosa*, *Albizzia amara*, *Pongamia glabra*, *Chloroxylon swietenia*, *Strychnos nuxvomica* and *Anogeissus latifolia*. In the tidal swamp forests of the Cuddalore range, *South Arcot*, the self sown seedlings of the two species of *Avicennia* flourish aided in their germination and growth by periodical inundations. *Acacia Arabica* reproduced itself well and *Melia azadirachta* spread itself in clumps and patches of prickly-pear. In *North Salem* reproduction by seed of *Albizzia amara*, *Chloroxylon swietenia*, *Acacia sundra*, *Prosopis spicigera* and *Melia indica* was fairly satisfactory in the coppiced areas under protection in the Tiruppattúr and Hosúr ranges; that of *Tectona grandis*, *Dalbergia latifolia*, *Pterocarpus marsupium*, *Anogeissus latifolia*, *Albizzia amara* and *Chloroxylon swietenia* was fairly good in the higher slopes and plateau in areas which escaped fire and heavy grazing. Reproduction of sandal was very favourable in fire protected blocks. Reproduction from coppice was very good in the Tiruppattúr range and in some coupes of the Hosúr range. In *South Salem*, regeneration by seed was generally poor owing to untimely rainfall and heavy grazing, though that of sandalwood was fair in the Chitteris and Pachamalais. Reproduction by coppice continued to be good in the felled coupes specially in the case of *Chloroxylon swietenia*, *Albizzia amara*, *Acacia sundra*, *Prosopis spicigera*, *Albizzia lebbek*, *A. odoratissima* and *Lebedieropsis or bicularis*. In *Trichinopoly* natural reproduction from coppice was fair in the Cauvery and Coleroon padugai forests of the Udaiyárpálaiyam range, and in the hill reserved forests of the Vaiyampatti range; that from seed was fair in the Kulittalai range and some self-sown seedlings were noticed in the fire protected and closed reserves of the Musiri and Perambalúr ranges. Reproduction from seed was satisfactory in some of the reserved forests in *Tanjore*. *Memecylon edule* coppiced well while casuarina failed.

Southern Circle.—In *South Canara* reproduction by seed was fair, *Hopea parviflora* being most noticeable and that by coppice was satisfactory. Reproduction of teak by seed was favourable in a small area in the Kurchiat reserve, *North Malabar*, where the surface soil was dug up for the purpose. Reproduction in areas which were fire protected was good. In *South Malabar* reproduction by seed of *Xylia* was good in fire protected localities, more especially in the Nilambur natural forests where *Xylia* and black wood seedlings of three and four years were found; that from coppice in improvement felling coupes was sparse. In *the Nilgiris* natural reproduction of sandalwood from seed was good in Sígúr, that of teak fair in protected areas of Mudumalai. Reproduction by coppice was good in the *Eucalyptus* plantations. In *North Coimbatore* reproduction of sandal from seed and of *Hardiwickia* and *Anogeissus* in places not damaged by fire was good and that of sandal from root suckers was encouraging on the Talamalai plateau. In *South Coimbatore* natural reproduction was good throughout the Anamalais though poor in the dry parts of the district. There was good reproduction of satinwood in some forests at the foot of *the Nilgiris*. In *Madura* reproduction by seed in evergreen forests and from coppice in the felled coupes of the deciduous dry areas was good. In *Tinnevelly* natural reproduction continued to be good in all evergreen forests while that in deciduous forests not fire protected was bad. Reproduction from coppice was also satisfactory. The mahogany trees planted at an elevation of 600 feet and in the plains seeded well.

(*b*) *Artificial Reproduction.*

27. The area under plantations, topes and cultural operations with the cost incurred during the year will be found in form No. 54.

The following is a resumé of district reports :—

Northern Circle.—In *Ganjám* an unsuccessful attempt was made to sow sal seeds in the Dabuki and Dowgam reserves. In *Vizagapatam* sandal and divi divi planted in Narasapatnam are thriving, the latter species having been protected from the direct rays of the sun when young. In *Gódávari* 85 acres of casuarina were planted and previous plantings were watered. Twenty-five acres were sown with teak in Marrigudem range. In *Kistna* casuarina was planted in Gopuvanipalem reserve and the casualties in casuarina planted in previous years were replaced. Divi divi planted in Bandar and Guntúr ranges was thriving well, while sissoo planted in Bandar failed. Six hundred out of 2,000 sissoo seeds sown in Bápatla germinated and palmyra seeds were sown along a number of boundary lines. In *Kurnool* an unsuccessful attempt was made to sow babul seed in Veldurti Babul reserve. In *Bellary* the *Kuppigallu* plantations were extended by 5 acres. Tornagallu plantation was abandoned as pigs destroyed the plants as soon as they came up. Date and palmyra seeds were sown in all the plantations. In *Anantapur* no operations were undertaken during the year.

Central Circle.—In *Cuddapah* about 30 per cent. of the palmyra seeds sown in Idupalapaya plantation have survived and are thriving. A number of the seedlings perished owing to a fire. In *Nellore*, 373 acres were planted under the casuarina working-plan and the watering of previous year's plantations was carried out. In *Chingleput* date and palmyrah seeds were sown with success along the boundaries and coupe lines. Divi divi plants in the Meyyur plantations are doing well, and babul seeds were sown broadcast in the Pulrambakkam reserve with successful results. In *North Arcot* divi divi planted during the previous year in Kilminnel plantation was watered during the year. About 188 acres of blanks were dibbled with indigenous seeds, but the operation was not successful. In *South Arcot* casuarina plants were put out in the Cuddalore coast plantation at a less cost than in previous years owing to a more favourable season. A few casualties occurred as usual in the bamboo planted experimentally. In *North Salem* no operations were undertaken except sowing small blanks to aid natural reproduction. In *South Salem* a silver oak plantation on the saddle of the Sanyasimalai reserve was commenced, but many of the seedlings perished partly owing to a fire and partly to the hot weather. The seedlings of tamarind and margosa sown in Chitteri South West Working circle and Mallápuram reserve also perished, but the graft mangoes in the Mallapuram bungalow compound are thriving well. In *Trichinopoly*, as in previous years, nothing was done beyond the sowing of seeds of different species in a reserve of the Musiri range. In *Tanjore* about 36,000 casuarina plants in the North and South casuarina plantations and about 100 bamboo seedlings in the Nadur reserved forest were planted during the year, and the casuarina planted during previous years was watered and maintained.

Southern Circle.—In *South Canara* 250 Kumari passes were issued authorizing the clearing of 514 acres and teak seed was sown in this area. The number of plants surviving out of those planted in previous years is 39,000. In *North Malabar* two plantations of 25 acres each were constituted in Begur and Chedleth ranges composed of teak and vengai. In the Kanoth range 30 acres of Toungya plantation were made of jack and aini seed. Arsenic was put down round the seeds and this kept away the rats. In *South Malabar* 121 acres cleared in the previous year were

planted with teak and 116 acres were prepared for planting. Casualties in the plantations damaged by elephants and other wild animals were replaced. Mahogany is doing well though destroyed by wild animals in places. In *the Nilgiris* no fresh operations were carried out. The young mahogany at Mudumalai, Kallar and Benhope and *Hakea saligna* plants in the Jackal plantations are thriving well. In *North Coimbatore* and *Madura* artificial reproduction was *nil*. In *South Coimbatore* the seedlings in the Tekadi leased forests are doing well though bison and elephants caused damage to them. In *Tinnevelly* there were no regular plantations during the year but the usual operations for reclaiming the sandy wastes of Kudiraimoliteri were undertaken and the area specified in working-plan sown with palmyra seeds. Five acres in Kaliavur reserve were sown with Kolingi (*Tephrosia purpurea*) with success.

(c) *Experiments.*

28. The results of experiments made with exotics and other plants are given below. The Conservators have not reported with reference to the remarks of Government in its review of the administration report for 1901–1902 what steps they propose to take in order to concentrate these experiments in selected localities and under selected officers. The subject should be treated at length in the current year's report.

Agave ixtle.—There are two of these in the Kylasagiri hill, *North Arcot*, and six in the Palamadi plantations thriving fairly well as also the 104 plants in Palmaner mentioned in last year's report.

Bamboos.—Some of the bamboos in *South Malabar* were destroyed by the flood of July 1902. The surviving ones were thriving well and attempts were made to propagate the species by raising shoots from the nodes. The bamboos planted in Aladiyur in *Tinnevelly* continue to grow well. Other reserves were also planted up with success and endeavours were made to extend the plantation.

Rubber trees.—Besides the four reported last year in the Palmanér range in the *North Arcot* district two were newly raised during the year. They have attained a height of 6 inches and are vigorous. Arrangements were made for obtaining rubber seeds for experiment in the Rékapalle hills, *Gódávari* district.

(*a*) *Landolphia Kirkii.*—Only two seedlings exist of those reported last year in *South Malabar* and they are about 6″ high.

(*b*) *Landolphia florida.*—Twenty-two of these are doing well in *South Malabar.*

(*c*) *Ceara.*—Those in Tunacaduvu range, *South Coimbatore*, are doing well and grow like weeds. But its cultivation is not valuable as the species is reported to produce little or no rubber of value.

(*d*) *Ficus elastica.*—Ninety-seven seedlings were doing well in *Ganjám* and were ready for transplanting.

(*e*) *Hevea.*—The 25 trees mentioned in last year's report in *South Malabar* were tapped in January last and 11½ lbs. of Hevea seed were sent to the Curator, Botanical Gardens and Parks, the Nilgiris.

(*f*) *Kicksia Africana.*—There are 27 of these in *South Malabar* with an average height of 5 feet. A couple of these were attacked by a borer in December last but have since recovered.

Date trees.—Seeds of the edible date were sown in *Ganjám* in the Napier's Park nursery where there were 112 seedlings at the close of the year. Edible dates were cultivated in all the ranges in *Gódávari*. In *Kistna* nearly 300 acres were sown in past years with date seeds, but failure was almost total owing to late planting. In *Bellary* date seeds were sown in all the plantations. In *North Arcot* there are 76 trees in the Palmanér range and 83 in the Vellore range; they have not yet flowered. The few trees that exist in *North Salem* have not shown any progress and the experiment has proved a failure. In *Trichinopoly* only about a dozen survived out of those planted on the Pachamalais in the Musiri range about 11 years ago, and these are between 5 and 6 feet high. In *Tanjore* 133 plants survived out of 221 put out in 1881 in the Vettangudi reserved forest. No edible date trees grow in *South Canara, North Malabar, Nilgiris, South Coimbatore* or *Madura.* The few edible date trees at Kuttalam *in Tinnevelly* continue to grow, but have not yet produced any fruit. No experiments were made with the edible date in the remaining districts.

Divi Divi.—Seedlings are thriving in nurseries in 2 ranges in *Kistna.* In *Bellary* this was planted in the Kupgal reserve along with other species. The plants in the Kilminnel plantation in *North Arcot* mentioned in last year's report were doing fairly well. They are very bushy but have not attained any dimensions.

Durian plants.—The surviving plant reported in *North Malabar* is now 30½ inches high. Only one plant survives in *South Malabar* and it now measures 8¼ feet in height.

Eucalyptus.—There are 977 trees in four topes in the Palmanér range, *North Arcot*, but they are languishing; of the 8 fresh seedlings raised during the year 5 have attained a height of about 1 foot.

Grevillea robusta.—No mention is made of the seedlings reported last year in the *Cuddapah* district.

Hæmatoxylon Campeachianum.—A large number of these was reared in pots for the mangrove forests of the delta in *Gódávari.*

Ipecacuanha.—As those in *South Malabar* did not show signs of improvement they were handed over to the Curator of the Government Gardens.

Mahogany.—A number of these plants were ready for transplanting in *Gódávari.* A few that were planted in *Kistna* gradually died away. The surviving plants in *Cuddapah* number 130 and they were doing well; one lb. of the seed was sown this year, but none of the seeds germinated. Ten of the seeds germinated in *Nellore* and the plants were put out in the Kollurpadu experimental plantation. Out of the seedlings raised by sowing 1 lb. of the seeds in different topes and plantations in *North Arcot* only 4 plants survived in the Palmanér and Chittoor ranges. Out of 197 plants that existed in all the ranges in *South Arcot* 170 were put out in *Tirukkóyilúr* and they all died. Of the surviving ones 22 are from 20′ to 42′ high and the rest from 3′ to 6′. All the plants in the Vettangudi reserved forest were thriving and vary from 15 feet to 19 feet in height and 11″ to 3′ 5″ in girth. Some seedlings planted in 2 reserves of the Puttur range, *South Canara*, were thriving fairly well and attained a girth of 15″ at a height of 4 feet. The seedlings sown in the Puttur Range office compound were also doing well. The Mahogany planted at Manantoddy in *North Malabar* were thriving. In *South Malabar* the teak dominating the Mahogany in the Aravillikava plantations was cut out. Specimens of trees affected by the borer were sent to the Forest Entomologist at Dehra Dun. 32 seedlings were raised out of 3 lbs. seed received during the year. In the *Nilgiris* 50 trees in the Jackal plantations were thriving well. 404 plants raised in previous years in *South Coimbatore* were doing well. ½lb of Mahogany seed was sown during the current year, but none of the seeds germinated. The 2 plants put out in Kanavoipatti subordinates' lines in *Madura* survived. The growth of this species in *Tinnevelly* was encouraging and the trees in the ghât forests and plains were in a flourishing condition.

Swietenia macrophylla.—The seedlings raised last year in *Ganjám* all died. Only 2 or 3 plants survive in Napier's Park and though they were planted years ago, they are only 2 or 3 feet in height. There are 27 plants in the Vinukonda and Palnad ranges in *Kistna*, of which 10 attained a height of 3 feet; 6 plants put out in the coast range in *Nellore* were in good condition being about 12 feet in height. There were 20 casualties among the plants in *South Arcot* probably due to neglect, the surviving ones numbering only 77 varying from 3 to 4½ feet in height. The seedlings grown in the Puttur Range office compound, *South Canara*, were growing pretty well as well as those planted in *North Malabar*. The 31-year old big tree in Chathambarai, *South Malabar*, is now 92 feet high, having grown 1 foot in height during the year. The trees planted at Dhoni in the Palghat Range continue to do well being from 18 feet to 35 feet high and the larger ones 27 inches in girth, but one of them was blown down during the year. About 3,100 good seeds were collected from the four trees on the Nilambur hill and they were sown in the office nursery. The plants in the Alagiri Hill reserve in *Madura* were thriving.

Pterocarpus indicus.—The three plants in Manantoddy, *North Malabar*, are from 12″ to 16″ in height having grown about 6″ during the year.

Paspalum dilatatum.—The seed sown in *Kistna* germinated but the grass was allowed to deteriorate in order to find out whether the seeds then collected will find a hardier grass. The experiments made in *Nellore, South Arcot* and *South Salem* proved a failure. The grass introduced in the Vengur Padugais, *Trichinopoly*, established well and was in a thriving condition. The experiment made in *Tinnevelly* near the Nazareth bungalow was not successful.

Sterculia elata.—The plants introduced in *South Malabar* all died.

(*d*) *Operations for the Improvement of Growing Stock.*

29. *Northern Circle.*—In *Ganjám* compartment 2 of Kurcholi reserve was worked over as an improvement felling and 696 trees were removed from over 130 acres. In *Gódávari* creeper cutting was undertaken by the subordinates in all except the delta range. In *Kurnool* the removal of creepers and the cutting back of badly grown trees of valuable species in the Railway working circle were continued. Steps were taken to induce ryots to remove *Dalbergia paniculata* free of charge for manuring purposes.

Central Circle.—Creeper cutting was carried out in *Cuddapah* in two compartments of Balapalle working circle, while in *Chingleput* weeding and creeper cutting in felled coupes were done by watchers wherever needed. Prickly-pear was removed from the Palamadi plantation in *North Arcot*. In *South Arcot* the dead and withered trees in some reserves were removed by contractors. The bamboo clumps in Tindivanam were thinned and the culms sold for Rs. 90. In *South Salem* the three bamboo blocks on the Chitteris were sold to contractors who were bound by an agreement to fell the

bamboos systematically. Prickly-pear was removed at a cost of Rs. 436. In *Trichinopoly* all unsightly gnarled and dead trees in certain padugais of the Udaiyār-pálaiyam and Kulittalai ranges were sold by auction and removed.

Southern Circle.—In *South Canara* thinning operations were carried out at a cost of Rs. 36 in the Puttur range and weeding for the growth of cardamom in the Uppinangadi range at a cost of Rs. 25. Three plantations were weeded in *North Malabar* at a total cost of Rs. 790. About 980 acres of teak plantations were thinned in accordance with the provisions of the sanctioned working plans at a cost of Rs. 640 in *South Malabar*. The plants broken by elephants were coppiced in Karimpoya, weeding was carried out in the Nilambur and Amarampalem range and parasites were cleared in the Nilambur range. In the *Nilgiris* thinning operations were carried out in two teak plantations. Crooked and unsound saplings were removed and the upright ones were pruned. In *North Coimbatore* the trees marked for felling in the Minchiguli block were cut down departmentally. Enumeration was carried out somewhat unmethodically in the Vellankombai block and the trees were sold standing. The regular system of extraction of sandal led to improvement in the growing stock. Bamboo thinning was undertaken in two working circles in *South Coimbatore.*

5. Exploitation.

(a) System of Exploitation.

(i) *Major Forest Produce.*

(1) *Clear or Regeneration Fellings.*

30. *Northern Circle.*—In *Gódávari* portions of Bandamurlanka plantation and Kandikuppu reserve and in *Kistna* coupe iii of Gopuvanipalem reserve were clear felled.

Central Circle.—In the *Chingleput* district some trees in the Meyyur plantation were felled and sold. About 52¼ acres in the casuarina plantations in *South Arcot* were sold standing for Rs. 6,750. In the Madapalle tank bed, *North Salem*, 405 trees were sold standing for Rs. 500 to a contractor who clear felled them. Some babul, etc., trees in two tank beds in the Dharmapuri taluk were clear felled by departmental agency and the fuel and timber extracted were removed to the Dharmapuri sale depot for sale. The coupes prescribed for felling in *South Salem* were not completely felled owing to difficulty in procuring labour. The trees in two coupes in the North and South Casuarina plantations in *Tanjore* were sold standing to contractors who made their own arrangements for felling.

Southern Circle.—In *North Malabar* 120 acres in the Kurchiat reserve were granted on contract to be clear felled for planting teak in 1904, the contractor felling at his own cost, removing what timber he wished and paying Rs. 10 per acre. The felling was not completed at the close of the year. In *South Malabar* 116 acres in Karimpoya reserve were clear felled for the formation of teak plantations. In *South Coimbatore* a portion of coupe 6 left uncut at the end of the previous year was cut and the yield was completely sold. The areas prescribed in working-plans were also cut.

(2) *Selection Fellings.*

Northern Circle.—In *Ganjám* 720 cubic feet of sal timber were removed by purchasers and they consisted of dead sal trees actually felled in 1901-1902; 24,000 cubic feet of timber were removed by Government Agency from unreserved lands, and small depots for the sale of ploughs were opened. Some timber felled and brought into Narasapatam depot in the *Vizagapatam* district could not be sold for want of a good price. In *Gódávari* 200 trees were felled in the Bandamurlanka plantation for supply to the Public Works Department. In *Kurnool*, departmental operations were continued for the supply of timber to depots and 17,313 cubic feet of timber were extracted at a cost of Rs. 7,928. 110 sandal trees in *Bellary* were felled and converted into billets at a cost of Rs. 140. In *Anantapur*, 5,730 cubic feet of wood were sold for Rs. 409 *in situ*, and the wind fallen trees were cut and stacked at a cost of Rs. 26.

Central Circle.—In accordance with the provisions of the Sriharikóta Working Plan, *Nellore* district, 8,078 tons of wood were brought to depot and sold for Rs. 26,253. Three coupes in the casuarina plantations were sold to contractors for Rs. 20,467. Of the minor working plans eight coupes were felled and sold for

Rs. 1,585. The bamboo areas in Tagarai and Parigam, *South Arcot*, were leased out as usual on sylvicultural conditions. In *North Salem* 1,290 cubic feet of sandalwood were collected and sold for Rs. 15,217 and 2,035 cubic feet of 1st and 2nd class timber were supplied to the Remount Depot for Rs. 1,849. 32,364 cubic feet of fuel were supplied to the Boer camp and the Central jail.

Southern Circle.—In Chedleth Range, *North Malabar*, selection fellings were undertaken on a small scale for supply of teak timber to the Ordnance Department and dinduga, matti and jol poles to the Kolar Gold fields. In *South Malabar* a few trees of inferior species from the natural forests near Nilambúr were romoved on permits under selection felling. Timber was extracted in the Tekadi leased forests in *South Coimbatore* under this system.

(3) *Improvement Fellings and* (4) *Coppice Fellings.*

Northern Circle.—In the *Gódávari* district 794 acres in some reserves were cut over under coppice with standards, and in *Kistna* certain coupes in the Guntúr Babul Working Circle and two other ranges were cut under the same system. In *Kurnool* 3,717 acres in the Railway Working Circle and 303 acres in the Ramallakota range were worked under coppice with standards. In *Bellary* the areas in certain coupes left uncut in the previous year were felled during the year under report.

Central Circle.—In *Cuddapah* two coupes in the Balapalle Working Circle, eight coupes in Cuddapah and Sidhout ranges and one in the Seshachalam reserve were treated under coppice with standards. In *Chingleput* eight coupes were sold to contractors to be worked under this system as in the previous year. Some coupes in the Chandragiri range, *North Arcot*, were partly cut departmentally, but several coupes were sold to contractors to be worked under this system. In *South Arcot* the working of Tippakadu reserve was undertaken departmentally, but four regular coupes and three village coupes, 352 acres in all, were sold to contractors to be worked under the system. In *North Salem* six coupes comprising 1,841 acres in all were worked departmentally under coppice with standards by employing sub-contractors, for supply of engine fuel to the Madras Railway, while in *South Salem* the system of departmental felling was adopted in all the working circles. Six coupes with an area of 323 acres in the Vaiyampatti range, *Trichinopoly*, were treated under coppice with standards by contractors. In *Tanjore* an area of 178 acres in the Vettangudi reserved forest was felled by a coupe contractor and the produce realised Rs. 915.

Southern Circle.—In *South Canara* Rs. 2,802 were realised from coupes given on contract to be worked under coppice with standards. In *South Malabar* three reserves were worked under the above system for the supply of railway fuel, while in Ootacamund and Coonoor in the *Nilgiris*, blue gum trees were felled on coppice system without standards to meet public requirements. The working circles of Ayirangal, Chinnar, Singaratope, Walayar, Amaravati, Dhalli and Kamanuthu in *South Coimbatore* were worked under this system. In *Madura* five coupes in the Cumbum range were worked departmentally under the modified permit system and one coupe was sold on contract for Rs. 430. Eighteen coupes in Palamedu range were sold for Rs. 4,857, while 22 coupes in Kanavoipatti were worked departmentally for railway fuel supply. It is regrettable that in many cases there was deviation from the provisions of the working plans, but steps were being taken to avoid it by demarcating in advance the first five coupes of the working circles. In *Tinnevelly* coppice with standard felling was carried on in ten working circles and simple coppicing in certain reserves and two working circles.

(5) *Unregulated Fellings.*

Felling and removal of produce under permits continue in almost all the districts. It is restricted to the removal of inferior classes of timber, fuel and bamboos required in most cases to meet local demand.

Northern Circle.—In *Gódávari* the permit system was in force in the reserves not brought under working plans, but no reserved or first-class trees were permitted to be removed.

Central Circle.—No unregulated fellings were allowed in *Tanjore* and in *North Arcot* under the permit system either for timber or fuel, while in *North Salem*, permit system was confined to unreserved areas only. Certain bamboo blocks in the working circles in *South Salem* were sold to contractors, but in other areas the permit system continued.

Southern Circle.—In *South Canara* Rs. 5,860 were realized from unregulated fellings against Rs. 5,176 in the previous year. In *North Malabar* the usual system of permitting free removals by poor ryots was continued. In *South Malabar* the contractors were allowed to cut bamboos for floating timber purchased by them.

(ii) *Minor Forest Produce.*

(1) *Miscellaneous Produce.*

31. The right of collecting minor produce was leased out to contractors in the usual way.

Northern Circle.—As usual, fees were levied on the exported minor produce from the agency tracts in the *Gódávari* district. In *Kurnool* the revenue under this head was Rs. 29,716 and this includes Rs. 5,710 collected on the sale of tangedu bark for 1903–1904. There was a total failure of the fruit crop, Rs. 895 only having been realized against Rs. 8,351 in the previous year. Rs. 18,026 was collected under tree-tapping. The chief products that contributed revenue under this head in *Bellary* were tangedu bark, fruits, babul pods and date tapping. Babul pods realized this year a less sum of Rs. 2,000 due to their sale as a whole instead of by villages as in previous years.

Central Circle.—In *Cuddapah* Rs. 15,662 were collected from tanning barks and Rs. 20,232 from the usufruct of kanuga (*Pongamia*) and tamarind (*Tamarindus indica*) in the unreserved lands. In *Nellore* the minor produce at Sriharikota was collected departmentally through Yenadis as in previous years and sold to the best advantage. In *Chingleput* Rs. 1,640 were realized from manure leaves removed under permits, while in *North Arcot* 60 maunds of divi divi pods formed an item under minor produce. Of a sum of Rs. 13,766 collected under Minor forest produce in *North Salem*, Rs. 830 were realized by the sale of custard apples. The divi divi pods collected in *Trichinopoly* during this and the previous years were sold to a contractor.

Southern Circle.—In *South Canara* 15 tons 1,600 lbs. of catechu manufactured at a cost of Rs. 188 per ton were sold at Rs. 720 per ton for Rs. 11,313 as against 15 tons and 700 lbs. sold for Rs. 10,714 in the previous year. Forty three maunds (of 25 lbs.) of cardamoms were collected and transported at a cost of Rs. 478 and were sold for Rs. 505. In *North Malabar* honey and wax were collected departmentally, other produce having been leased out to contractors. Rs. 7,450 were realized by the departmental collection of minor produce in three ranges against Rs. 4,762 in the previous year. In *Madura* manure leaves, thatching grass, stone, etc., were allowed to be removed on permits. The majority of the sholas in the Lower Palnis were leased out for cardamom for thirty years at an annual rental of Rs. 3 per acre and in some cases at Rs. 5 per acre.

(2) *Extraction of Fodder.*

32. *Northern Circle.*—In *Kurnool* only Rs. 48 were realized by the removal of grass. There was no demand for kussavu (*Andropogon muricatus*) grass, as the contractors apparently suffered loss during the previous year. The revenue under this head in *Bellary* amounted to Rs. 1,725, or Rs. 373 less than that realized in the previous year. This decrease is attributed to want of proper check in the Sandur range by the Range Officer. The revenue under this head in *Anantapur* rose from Rs. 446 in the previous year to Rs. 751.

Central Circle.—In *Chingleput* a sum of Rs. 41 was realized by the sale of velal grass for thatching purposes. The public were invited by gazette notification and proclamation to remove grass free of cost for hay-making, but none availed themselves of the concession, probably owing to the inferior quality of the grass. Arrangements were made in *South Arcot*, for local issue of permits for cutting grass at 3 pies a head load, but this was not availed of in time by the ryots. In *Trichinopoly*, grass was allowed to be removed either on permits or after sale in public auction of the right to collect for a period of not more than a year.

Southern Circle.—In *South Canara*, the right to collect thatch grass was sold for Rs. 484 as against Rs. 491 in the previous year. In *South Malabar*, the right of cutting and removing grass was not leased out as usual in the Chenab Nair reserve owing to the proposed hay-making experiments. In *South Coimbatore* and *Madura* grass was allowed to be removed on permits.

(3) *Hay-making.*

33. In *Ganjám*, 78 maunds of Baibuli grass were exploited and sent to the Bengal Paper mills at the close of the year. In *Bellary*, about 280 cubic feet of grass was cut and collected in Tornagal reserve at a cost of Rs. 210 for the use of Government bullocks; some fodder grass was cut and stacked departmentally in *Anantapur* at a cost of Rs. 80. In *Cuddapah* an experimental collection of $8\frac{3}{4}$ tons of hay was made departmentally but no part of it was sold. About $3\frac{1}{2}$ tons of hay were made in *North Salem* at a cost of Rs. 36–9–0 but only 2 tons of it were sold for Rs. 20 as there was no demand for it during the year. Arrangements were made in *South Coimbatore* to cut grass in certain areas for conversion into hay.

(4) *Grazing.*

34. The following statement compares the revenue derived from grazing and grass removals during the year with that of the previous year :—

Circle.	1901–1902.	1902–1903.	Difference.
	RS.	RS.	RS.
Northern Circle	2,22,359	2,29,062	+ 6,703
Central „	2,35,118	2,51,331	+ 16,213
Southern „	82,591	98,107	+ 15,516
Total ..	5,40,068	5,78,500	+ 38,432

The increase in the *Northern Circle* was mainly in *Kistna* as the result of a favourable season and of closer supervision over the subordinate staff. This increase was partly counterbalanced by a deficit in *Anantapur* and *Kurnool* due to the prohibition of goat browsing in reserved forests. In the *Central Circle* the increase was chiefly in *North Arcot* and *Trichinopoly*. The increase in *North Arcot* was due to the issue of permits for the six months ending 30th June 1902 at half the rates in 1901–1902 and to the grant of licenses during the year under report for the full forest year 1902–1903 ; and that in *Trichinopoly* to a more favourable season. The increase in the *Southern Circle* was due mainly to large realization in *North Coimbatore* owing to more rapid collection of fees in the first three months of the grazing season.

(*b*) Outturn and Sources of Forest Produces.

35. The following abstract shows the total outturn of timber and other produce collected during this and the previous year.

(*Forms Nos.* 55, 56, 72*a and* 72*b.*)

—	Timber (in cubic feet) including sandalwood (at 40 cubic feet a ton).		Fuel (in cubic feet) (at 40 cubic feet a ton).		Bamboos (in numbers).		Minor produce (gross value in rupees). *	
	1901–1902.	1902–1903.	1901–1902.	1902–1903.	1901–1902.	1902–1903.	1901–1902.	1902–1903.
1	2	3	4	5	6	7	8	9
By Government Agency ..	389,361	442,500	† 3,965,639	6,941,107	49,709	320,286	38,863	44,903
By purchasers (including confiscations)	2,760,175	2,798,764	10,941,206	11,454,242	38,726,111	35,367,808	‡ 11,13,891	10,55,502
By right-holders	1,731	1,991	257,709	257,899	20,864	22,014	40,463	42,119
By free grantees	60,621	54,303	354,199	7,750	420,934	134,620	4,361	1,731
Total ..	3,211,888	3,297,558	15,518,753	18,660,998	39,217,618	35,844,728	‡ 11,97,578	11,44,255
Increase or decrease in 1902–1903 as compared with 1901–1902	..	+ 85,670	..	+3,142,245	..	—3,372,890	..	— 53,323
Percentage of increase or decrease over the previous year	..	+ 2·7	..	+ 20·2	..	— 8·6	..	— 4·5

* Includes value of grass cut and grazing fees. † Correct figure. ‡ Revised figures.

The results show an increase under all heads except 'Bamboos' and 'minor produce.' The variations are explained below :—

(c) Agency of Exploitation.

(i) *By Departmental Agency.*

36. The produce collected and disposed of departmentally during 1902–1903 as compared with the results of the previous year is exhibited in the subjoined statement. It shows also the stock remaining undisposed of at the close of the year. Forms Nos. 55 and 56 show separately the valuable classes of timber and minor produce collected during the year. Transport was chiefly done by country carts, ponies, coolies, donkeys, the railways, boats, etc. The timber felled in *North Malabar* was all dragged by elephants to depots on the forest roads or in places to which carts could be taken. In *South Malabar* the teak saplings felled by local coolies were dragged by elephants to the river banks and were either sold there or floated down to depots.

Produce collected.		During 1901–1902.			During 1902–1903.		
		Quantity.	Cost.	Average.	Quantity.	Cost.	Average.
1		2	3	4	5	6	7
			RS.	RS. A. P.		RS.	RS. A. P.
Timber	C. ft.	385,462	58,280	0 2 6	439,025	49,371	0 1 10
Fuel	,,	3,965,639	1,96,630	0 0 9	6,941,107	2,37,338	0 0 7
Bamboos	No.	49,709	1,348	0 0 5	320,286	1,966	0 0 1
Sandalwood	C. ft.	3,899	7,338	1 14 1	3,475	12,762	3 10 9
Minor produce	Mds. (25 lb.)	32,060	20,960	0 10 5	45,379	28,083	0 10 4
Total ..		..	2,84,556	..	..	3,29,520	..

Produce disposed of.		During 1901–1902.			During 1902–1903.			Stock on 1st July 1902.	Stock on 30th June 1903.
		Quantity	Cost.	Average.	Quantity.	Cost.	Average.		
		8	9	10	11	12	13	14	15
			RS.	RS. A. P.		RS.	RS. A. P.		
Timber	C. ft.	377,571	1,46,352	0 6 2	406,003	1,61,714	0 6 5	* 564,409	597,431
Fuel	,,	4,019,822	2,96,357	0 1 2	6,588,214	3,99,617	0 1 0	884,240	1,237,133
Bamboos	No.	123,795	2,162	0 0 3	325,904	2,935	0 0 2	13,806	8,188
Sandalwood	C. ft.	4,228	21,432	5 1 1	6,618	51,101	7 11 7	* 6,261	3,118
Minor produce	Mds. (25 lb.)	34,758	40,663	1 2 9	37,074	44,671	1 3 3	18,439	24,744
Total ..		..	5,06,966	..	..	6,60,038	..	..	..

* Revised figures.

Compared with the results of the previous year there was an increase in the quantity of produce collected under all heads except "Sandalwood".

The increase under "Timber" is noticeable particularly in *South Malabar* and *North Coimbatore* and it is somewhat counterbalanced by decrease chiefly in *Ganjám*, *Cuddapah* and *the Nilgiris*. The increase in *South Malabar* was due to extraction of a greater number of teak saplings and timber obtained from improvement fellings and in *North Coimbatore* to extended operations in the Bhaváni taluk. The decrease in *Ganjám* was due to the collection of timber having been limited to the cutting of boundary and block lines and that in *Cuddapah* to smaller collection of redwood roots and stumps than in the previous year, while in the *Nilgiris* to timber not having been felled in the Mudumalai forests for sale to Mysore contractors as in the previous year.

Under "Fuel" there was a marked increase chiefly in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah*, *Nellore* and *Madura*. It was, however, partly counterbalanced by decrease mainly in *Kistna*, *Trichinopoly*, *Tanjore*, *South Coimbatore* and *Tinnevelly*. The increase in *Vizagapatam* and *Gódávari* arose from supplying engine fuel to the Madras Railway Company throughout the year as compared with the partial

supply in the previous year and from the opening of depots in Vizagapatam town and in Cocanada. The demand for fuel from the Southern Mahratta Railway and the Kurnool water-works caused the increase in *Kurnool.* In *Bellary* the increase was due to the carrying out of fellings in compartments provided for in the working-plans and also in unfelled coupes of previous years; and in *Cuddapah* to the departmental fellings undertaken in the fuel coupes in Cuddapah and Sidhout ranges. The excess collection in *Nellore* was only nominal and is accounted for by the fact that the figures of 1901–1902 were based upon the conversion tables, while those of 1902–1903 represent the actual quantity measured in volume. In *Madura* the increase is ascribed to the departmental supply of engine fuel to the railways. The decrease in *Kistna* was due to the railway having reduced the monthly demand from 100 to 25 tons during a portion of the year. The smaller demand for fuel by the Boer camp in *Trichinopoly* and by the South Indian Railway in *Tanjore* was the cause of decrease in those districts. The decrease in *South Coimbatore* was due to the working of a coupe of *Singara* tope working circle by a contractor instead of departmentally and that in *Tinnevelly* to the non-supply of fuel to the Railway Company during the year.

Under "Bamboos" the increase occurred mainly in *Ganjám* where three coupes in the Mohiri hills of the Berhampur range were cut departmentally owing to a considerable demand for the produce.

Under "Sandalwood" the decrease occurred mainly in *North Coimbatore* where the quantity of wood fit for exploitation was found to be less in the coupes assigned for felling during the year.

Under "Minor Produce" the increase was mainly in *North Coimbatore* due to good gall nut crop and to the collection of avaram bark departmentally in Bhavâni and Satyamangalam taluks.

Under *disposals* the total quantity shows an increase under all heads.

The increase under "Timber" occurred principally in *Cuddapah* and *North Malabar* partly counterbalanced by decrease chiefly in *South Coimbatore.* In *Cuddapah* the increase was due to sale of redwood roots and stumps of previous year's stock and also to sales of timber from departmental fellings from coupes in Cuddapah, Sidhout and Pullampet ranges, and in *North Malabar* to sale of timber felled on fire lines, to supply of teak timber to the Ordnance Department from selection fellings and of miscellaneous timber to the Kolar Gold Mines. The short disposal in *South Coimbatore* was principally due to the small quantity of timber transported owing to the failure of the contractor, and to the inclusion during the previous year of a large quantity of timber written off the accounts and that used departmentally.

Under "Fuel" the increase occurred mainly in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah*, *North Arcot*, and *Madura.* On the other hand there were decreases chiefly in *Kistna*, *Nellore*, *Chingleput*, *South Canara*, *South Coimbatore* and *Tinnevelly.* The increase in *Vizagapatam*, *Gódávari*, *Kurnool*, *Bellary*, *Cuddapah* and *Madura*, and the decrease in *Kistna*, *South Coimbatore* and *Tinnevelly* were due to causes already explained under collection. That in *North Arcot* was due to the supply of casuarina fuel to Messrs. Parry & Co., at Ranipet and to the Central Jail, Vellore, and also to sale of other fuel locally through depots at Ranipet and Chittoor and for sugar-boiling in the Chandragiri range. The decrease in *Nellore* was due to sale during 1901–1902 of the previous year's stock and the stoppage of the felling of certain coupes prescribed for the year for want of offers. That in *Chingleput* was due to a smaller demand from the Ordnance department. The decrease in *South Canara* is accounted for by the fact that several casuarina trees washed down by the sea were sold during 1901–1902.

Under "bamboos" the increase was mainly in Ganjám due to causes already explained under collection.

Under "sandalwood" the increase was chiefly in *North Coimbatore* where the disposals included stock of previous year owing to demand.

Under "minor produce" the increase was principally in *South Arcot* and *South Salem.* In the former district the increase arose by departmental collection and sale of cashew-nuts in the Cuddalore range and in the latter, principally to inclusion of a greater portion of the collected hay.

As regards cost of collection there was a decrease under all heads except "sandalwood." The lower rate under "timber" was mainly due to the smaller quantity of valuable timber felled during the year in *South Malabar* and to the higher rate paid in *South Canara* during 1901–1902 for sleeper operations. The decrease under "fuel" occurred mainly in *Kurnool*, *Bellary*, *Nellore* and *Madura* due to sale of fuel on the spot in some cases and to smaller rate of transport charges. The decrease under "bamboos" was chiefly in *Ganjám* where a very large number of bamboos was extracted departmentally at a comparatively low cost. The increase under "sandalwood" arose from payment of shipping etc., charges on a large quantity of wood exported during the previous year. The decrease in the case of "minor produce" is small and calls for no remark.

The average rate of sales shows an increase under all heads except fuel and bamboos. The increase under "timber" was mainly due to sale of valuable timber in *Gódávari* and *North Malabar*, to higher rate realized for timber in *South Salem* and to sale of a larger quantity of sawn teak to the Public Works Department from *South Coimbatore*. The decrease under "fuel" was mainly due to low prices realized for the produce sold on the spot in some districts; and that under "bamboos" to the extraction and sale at a low cost of a very large number of bamboos from the Mohiri hills in *Ganjám*. The increase under "sandalwood" was due chiefly to sale of mature trees in *North Salem* and *North Coimbatore* and that under "minor produce" was principally in *Nellore* and *North Coimbatore* where better rates were obtained for some of the produce.

(ii) *By Purchasers.*

37. The subjoined abstract shows the quantity and value of timber and other produce removed by purchasers during the year under review as compared with the return of the preceding year:—

(*Form No. 72-A.*)

—	During 1901–1902.			During 1902–1903.		
	Quantity.	Amount of sales.	Average.	Quantity.	Amount of sales.	Average.
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. .. C. ft.	1,382,044	1,26,256	0 1 6	1,474,806	1,15,133	0 1 3
Firewood .. .. .. ,,	3,157,031	62,903	0 0 4	2,827,264	62,144	0 0 4
Bamboos .. .. .. No.	19,811,602	94,491	0 0 1	16,197,978	81,206	0 0 1
Grass and grazing	..	2,22,359	..	..	2,29,294	..
Minor produce	..	2,38,598	..	..	2,08,744	..
Total ..	..	7,44,607	..	..	6,96,521	..
Central Circle.						
Timber .. .. .. C. ft.	791,949	62,004	0 1 3	727,212	57,487	0 1 3
Firewood .. .. .. ,,	4,349,158	1,61,424	0 0 7	5,007,007	1,72,320	0 0 7
Bamboos .. .. .. No.	12,415,549	62,370	0 0 1	12,027,196	59,539	0 0 1
Grass and grazing	..	2,34,667	..	..	2,52,776	..
Minor produce	..	* 2,24,789	..	..	1,99,202	..
Total ..	..	* 7,45,254	..	..	7,41,324	..
Southern Circle.						
Timber .. .. .. C. ft.	423,763	52,104	0 1 11	530,447	64,931	0 1 11
Firewood .. .. .. ,,	3,394,268	1,09,369	0 0 6	3,559,517	1,16,831	0 0 6
Bamboos .. .. .. No.	6,459,578	25,852	0 0 1	7,098,804	29,778	0 0 1
Grass and grazing	..	82,591	..	..	98,120	..
Minor produce	..	1,10,126	..	..	65,864	..
Total ..	..	3,80,042	..	..	3,75,524	..
Presidency Total. Timber .. .. C. ft.	2,597,756	2,40,364	0 1 6	2,732,465	2,37,551	0 1 5
Presidency Total. Firewood .. ,,	10,900,457	3,33,696	0 0 6	11,393,788	3,51,295	0 0 6
Presidency Total. Bamboos .. No.	38,686,729	1,82,713	0 0 1	35,323,978	1,70,523	0 0 1
Presidency Total. Grass and grazing ..	..	5,39,617	..	..	5,80,190	..
Presidency Total. Minor produce	..	* 5,73,513	..	..	4,73,810	..
Grand Total of Sales ..	..	* 18,69,903	..	..	18,13,369	..

* Revised figure.

The total value of removals by purchasers shows a net decrease of Rs. 56,534 as compared with the previous year as shown in the margin. The decrease occurred under all heads except "Fuel" and "Grass and Grazing". Under "Timber" there was a noticeable decrease chiefly in *Ganjám*, partly counterbalanced by an increase mostly in *Kistna* and *South Coimbatore*. The decrease in *Ganjám* was due to the stoppage of the sale of sâl trees pending preparation and sanction of working-plans. This accounted also for the lower price realized for timber in the Northern Circle as compared with the previous year. The increase in *Kistna* arose from keen competition at sales of coupes; that in *South Coimbatore* was due to the dead timber contracts in Pollachi range and to the amalgamation of the Walayar reserve with the district.

		RS.
Timber	—	2,813
Fuel	+	17,599
Bamboos	—	12,190
Grass and grazing	+	40,573
Minor produce	—	99,703
Total ...	—	56,534

Under "Fuel" there was an increase chiefly in *Chingleput*, *North Arcot* and *South Arcot* partly counterbalanced by decrease mostly in Trichinopoly. In *Chingleput* the increase resulted from the sale of a large quantity of fuel to private bodies from unreserved lands and in *North Arcot* from the sale of a larger number of coupes to contractors for supply of engine fuel, for charcoal burning, jaggery boiling and local supply; in *South Arcot* it was due to the classification in taluk accounts of all timber in darkhast valuations as fuel. The decrease in *Trichinopoly* was mainly due to departmental felling of coupes in the Vaiyampatti range for supply of fuel to the Railway in place of the sale of coupes in that range to contractors during 1901–1902.

Under "Bamboos" the decrease was mainly in *Gódávari* due to the limited demand for bamboos, sugarcane being cultivated during the year to only a small extent.

The variations under "Grass and grazing" have been already explained in paragraph 34.

Under "Minor produce" the decrease occurred mainly in *Kurnool*, *Bellary*, *Nellore*, *North* and *South Salem*, *South Canara*, *Madura* and *Tinnevelly* partly counterbalanced by increase principally in *North Arcot* and *Trichinopoly*. The total failure of the fruit crops in *Kurnool*, the poor produce in reserved forests in *Bellary* coupled with plague in that district, and the fall in mica revenue in *Nellore* account for the decrease. Want of competition among contractors owing to prevalence of plague in the Tiruppattúr and Hosúr ranges and the slackness of demand for tanning barks which were not exported in large quantities owing to the introduction of the *chrome* process of tanning leather and the dullness of the market for tamarind fruit accounted for the decrease in *North Salem*. In *South Salem* the decrease was due to want of competition among bidders at sales and to the small amount realized from sale of usufruct of toddy-yielding trees from Government waste and poramboke lands; in *South Canara* to the fact that the amounts from sale of minor produce for 1901 and 1902 were credited to the accounts of 1901–1902, and in *Madura* to the previous year's figure having included the sale proceeds of the right of cultivation on lands leased out for cardamom cultivation and as well to the collection of excess rent on the excess area cultivated with cardamom and to smaller recoveries for minor forest produce generally. In *Tinnevelly* the decrease was due to the inclusion in 1901–1902 of revenue of other years as explained in the previous year's report. The increase in *North Arcot* arose from departmental issue of permits for manure leaves and grass during 1902–1903 in lieu of leasing out these products on contract as was done during 1901–1902 and in *Trichinopoly* to better prices realized for tanning bark, to increased sale of manure leaves in Musiri and Perambalúr ranges, to sale of face value permits to permit-issuing gumastahs on the prepayment system and to the crediting in the accounts of 1902–1903 of two years' lease amounts of certain minor produce let out for three years.

The permit system worked satisfactorily in almost all the districts. In some the system was in force only for manure leaves, grass and bamboos. Illicit removal under cover of permits was prevalent chiefly in *Kistna* and *Trichinopoly* and all possible steps were taken to prevent it. The prepayment permit system was introduced into the districts and was working satisfactorily. The system of recovering a large number of the permits issued, for check with the counterfoils, has been on the whole successfully carried out in all the districts.

38. The sales of confiscated produce during the year under report as compared with those of the previous year are recorded in the subjoined abstract:—

(*Form No. 72-B.*)

—	During 1901–1902.			During 1902–1903.		
	Quantity.	Value.	Average.	Quantity.	Value.	Average.
Northern Circle.		RS.	RS. A. P.		RS.	RS. A. P.
Timber .. .. C. ft.	140,391	9,703	0 1 1	44,847	3,782	0 1 4
Firewood .. .. .. ,,	9,123	211	0 0 4	12,725	537	0 0 8
Bamboos .. .. No.	27,703	112	0 0 1	14,817	152	0 0 2
Minor produce .. Money value.	..	233	..	..	841	..
Total ..	..	10,259	..	..	5,312	..
Central Circle.						
Timber .. .. C. ft.	12,476	1,971	0 2 6	11,042	1,980	0 2 10
Firewood .. .. .. ,,	4,328	279	0 1 0	18,176	739	0 0 8
Bamboos .. .. No.	8,617	68	0 0 2	22,233	84	0 0 1
Minor produce .. Money value.	..	428	..	..	412	..
Total ..	..	2,746	..	..	3,215	..
Southern Circle.						
Timber .. .. C. ft.	9,552	1,513	0 2 6	10,410	2,115	0 3 3
Firewood .. .. .. ,,	27,298	1,008	0 0 7	29,553	947	0 0 6
Bamboos .. .. No.	3,062	22	0 0 1	6,780	75	0 0 2
Minor produce .. Money value.	..	100	..	..	249	..
Total ..	..	2,643	..	..	3,386	..
Presidency Total.						
Timber .. .. C. ft.	162,419	13,187	0 1 4	66,299	7,877	0 1 11
Firewood .. .. .. ,,	40,749	1,498	0 0 7	60,454	2,223	0 0 7
Bamboos .. .. No.	39,382	202	0 0 1	43,830	311	0 0 2
Minor produce .. Money value.	..	761	..	..	1,502	..
Grand Total ..	..	15,648	..	..	11,913	..

The amounts realized by sales show a decrease of Rs. 3,735. This occurred mainly in *Gódávari* where less drift timber was recovered than in the previous year.

(iii) *By Right-holders.*

39. The following abstract statement shows the quantity and value of produce removed by right-holders:—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	1,311	94	257,510	4,825	20,489	128	38,950	1,309	45,306
Central ,, ...	..	..	..	..	..	..	..	356	356
Southern ,, ...	680	62	389	20	1,525	5	1,472	32	1,591
Total ..	1,991	156	257,899	4,845	22,014	133	40,422	1,697	47,253

The value of produce removed under rights during the year is estimated at Rs. 47,253 against Rs. 46,063 in 1901–1902. The increase was due to the maximum rates of grazing fees being introduced in the Nallamalai hills of the *Kurnool* district.

(iv) *By free-grantees.*

40. The following abstract statement shows the quantity and value of produce removed by free grantees :—

—	Timber.		Fuel.		Bamboos.		Minor produce.	Grazing.	Total value.
	Cubic feet.	Value.	Cubic feet.	Value.	Number.	Value.	Value.	Value.	
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle	26,268	2,570	..	..	103,950	529	168	27	3,294
Central ,, ...	21,608	1,961	1,336	31	23,180	146	83	1,439	3,660
Southern ,, ...	6,427	699	6,414	51	7,490	6	14	..	770
Total ..	54,303	5,230	7,750	82	134,620	681	265	1,466	7,724

There was a reduction in the estimated value of free-grants from Rs. 17,821 in the previous year to Rs. 7,724 in the year under review. No grants were made in *Vizagapatam*, *Chingleput*, *Tanjore*, *South Canara*, *South Malabar*, *South Coimbatore* and *Madura*. In the remaining districts the grant was made chiefly to poor ryots for rebuilding houses and huts destroyed by fire.

CHAPTER III.—FINANCIAL RESULTS.

41. The financial results of the circles during the year under review are compared below with those of the previous year and with the average of the five years preceding it. There was a net increase of Rs. 15,851 over the previous year's return and Rs. 1,70,691 over the average yearly surplus since 1896 :—

—	Years.					Average per year.	1901-1902.	1902-1903.
	1896-97.	1897-98.	1898-99.	1899-1900.	1900-1901.			
Revenue.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle	5,97,422	5,99,670	6,14,046	7,13,954	7,79,146	6,60,848	8,86,581	8,64,915
Central ,, ...	9,48,547	8,88,834	8,73,772	9,63,093	9,34,847	9,21,819	10,22,586	10,17,632
Southern ,, ...	6,42,948	6,62,610	5,87,436	6,36,460	7,29,780	6,51,847	5,87,327	7,10,232
Total ..	21,88,917	21,51,114	20,75,254	23,13,507	24,43,773	22,34,514	24,96,494	25,92,779
Expenditure "A. Conservancy and Works".								
Northern Circle	2,42,025	2,06,027	1,98,750	2,29,397	2,13,108	2,17,861	2,31,660	2,55,084
Central ,, ...	3,06,570	2,78,206	2,48,912	2,85,449	2,76,620	2,79,151	3,20,428	2,92,415
Southern ,, ...	2,79,605	2,84,977	3,20,139	3,17,555	3,86,322	3,17,720	3,35,137	4,24,886
Total ..	8,28,200	7,69,210	7,67,801	8,32,401	8,76,050	8,14,732	8,87,225	9,72,385
Expenditure "B. Establishments".								
Northern Circle	2,23,255	2,61,999	2,59,525	2,65,661	2,57,146	2,53,517	2,58,497	2,59,801
Central ,, ...	2,78,212	2,78,281	2,81,023	2,94,553	3,14,479	2,89,310	3,10,844	3,10,342
Southern ,, ...	2,58,210	2,78,999	2,83,800	2,95,581	2,90,515	2,81,421	2,89,555	2,84,027
Total ..	7,59,677	8,19,279	8,24,348	8,55,795	8,62,140	8,24,248	8,58,896	8,54,170
Total of A and B.								
Northern Circle	4,65,280	4,68,026	4,58,275	4,95,058	4,70,254	4,71,379	4,90,157	5,14,885
Central ,, ...	5,84,782	5,56,487	5,29,935	5,80,002	5,91,099	5,68,461	6,31,272	6,02,757
Southern ,, ...	5,37,815	5,63,976	6,03,939	6,13,136	6,76,837	5,99,140	6,24,692	7,08,913
Total ..	15,87,877	15,88,489	15,92,149	16,88,196	17,38,190	16,38,980	17,46,121	18,26,555
Net results.								
Northern Circle	+ 1,32,142	+ 1,31,644	+ 1,55,771	+ 2,18,896	+ 3,08,892	+ 1,89,469	+ 3,96,424	+ 3,50,030
Central ,, ...	+ 3,63,765	+ 3,32,347	+ 3,43,837	+ 3,83,091	+ 3,43,748	+ 3,53,358	+ 3,91,314	+ 4,14,875
Southern ,, ...	+ 1,05,133	+ 98,634	− 16,503	+ 23,324	+ 52,943	+ 52,706	− 37,365	+ 1,319
Total ..	+ 6,01,040	+ 5,62,625	+ 4,83,105	+ 6,25,311	+ 7,05,583	+ 5,95,533	+ 7,50,373	+ 7,66,224

The gross receipts exceeded those of the previous year by Rs. 96,285 and the total expenditure was greater by Rs. 80,434. The increased Revenue was in the Southern Circle alone there being a decrease of Rs. 21,666 and Rs. 4,954 in the Northern and Central Circles, respectively. The expenditure increased in the Northern and Southern Circles by Rs. 24,728 and Rs. 84,221, respectively, and decreased by Rs. 28,515 in the Central Circle. The net results in all the circles (including the Southern Circle which showed a deficit in the previous year) show an increase. The small surplus in the Southern Circle was due mainly to large items of expenditure incurred under "A Conservancy and Works" which will be referred to. The outstanding revenue due to the department at the close of the year under review was Rs. 1,90,675 against Rs. 1,73,311 at its commencement. The estimated value of produce in stock at the close of the year was Rs. 43,974. The variations under the several budget heads of revenue and expenditure during the past two years are explained below :—

Receipts.

(i) *By Departmental Agency.*

Timber + Rs. 15,362—Due mainly to the disposal of the previous year's stock of felled timber in *North Malabar.*

Fuel + Rs. 1,03,260—Due mainly to the supply of a larger quantity of engine-fuel in *Kurnool*, *North* and *South Salem* and *Madura.*

Bamboos + Rs. 773—Due to the extraction and sale of bamboos from three coupes opened in the Mohiri hills in *Ganjám.*

Sandalwood + Rs. 29,669.—A larger quantity of sandalwood was sold at better prices in *North Salem* and outstanding revenue of the preceding year was collected in *North Coimbatore.*

Minor produce + Rs. 4,008.—The increase was mainly in *Nellore* and *South Coimbatore* and was due in the former district to greater attention paid to their collection at Sríharikóta and in the latter to collection and sale of a larger quantity of cardamoms and gallnuts.

(ii) *By Purchasers.*

Timber—Rs. 6,236.—The decrease was mainly in *Ganjám*, *Gódávari* and *North* and *South Salem* partly counterbalanced by increase chiefly in *Kistna*, *South Coimbatore* and *South Malabar.* The stoppage of the sale of sâl trees pending the preparation and sanction of working-plans gave rise to the decrease in *Ganjám*, while the slack demand for timber and the difficulty in procuring contractors to work compartment I of the Rékapalle forest was the cause of the decrease in *Gódávari.* The decrease in *North* and *South Salem* resulted from smaller receipts for value of growth on darkhast lands. Keen competition at the coupe sales in *Kistna* and the removal of large quantities of dead timber in Pollachi range together with the amalgamation of the Walayar reserve with the South Coimbatore district accounted for the increase in those districts, while that in *South Malabar* arose from the removal of a larger quantity of wind blown and dead trees.

Fuel + Rs. 8,371.—The increase was mainly in *Chingleput* and *South Malabar.* In the former district it was due to the disposal of a larger quantity of firewood sold to private bodies from unreserved lands, and in the latter to the removal of trees for clearing fire lines in certain reserves and to sales of trees from the coupes of Kannipoya reserve.

Bamboos — Rs. 7,223.—The decrease occurred mainly in *Gódávari* but was partly counterbalanced by increase chiefly in *South Salem* and *North Coimbatore.* The decrease in *Gódávari* arose from a smaller demand for bamboo props owing to diminution of sugarcane cultivation in that district, while the increase in *South Salem* was due to the working under the permit system of a larger area than before. The favourable prices realized at sales of coupes in *North Coimbatore* gave rise to the increase in that district.

Grazing and fodder grass + Rs. 38,432.—The reasons for the increase are explained in paragraph 34.

Other produce—Rs. 90,673.—The deficits were mainly in *Kurnool*, *Bellary*, *Anantapur*, *Nellore*, *North Salem* and *Madura*. The low price of tanning bark (*Cassia auriculata*) and the bad fuel crop brought down receipts in *Kurnool*, *Bellary*, *Anantapur* and *North Salem* where also the low price of tamarind adversely affected the return. Plague was also a drawback in *Bellary* and *North Salem*. In *Nellore* the decrease was due to the depression in the mica-mining industry, while in *Madura* cardamoms brought in no revenue.

(iii) *Miscellaneous (including confiscated drift and waifwood).*

Revenue + Rs. 542.—The variation is small and needs no remarks.

EXPENDITURE.

A. Conservancy and Works.

The expenditure shows an increase of Rs. 85,160 over that of the previous year and was due mainly to (1) increased expenditure in *Kurnool*, *South Salem* and *Madura* necessitated by the large supplies of engine fuel made to railway companies, (2) departmental collection of avaram bark in *North Coimbatore* and the retention in that district throughout 1902–1903 of the minor produce supervisors and watchers who were employed for a portion only of the year 1901–1902, (3) purchase of nine elephants by the Southern Circle from the Chief Supply and Transport Department and (4) amount of compensation awarded for the acquisition of the Wynaad Syndicate land in *North Malabar*.

B. Establishments.

The cost of establishment decreased by Rs. 4,726, due to less travelling allowance drawn by officers of all classes and to the adjustment of the cost of uniforms supplied to forest guards by the Superintendent of Stationery in the accounts of the Stationery Department instead of in those of the Forest Department as hitherto.

Revenue.—*Kurnool* heads the list by contributing 14 per cent. of the net surplus, *Gódávari* and *Kistna* stand next with 12 per cent. each, followed by *North* and *South Salem* each 10 per cent., *Nellore* and *Bellary* each 9 per cent.

CHAPTER IV.—ADMINISTRATION.

42. *Conference of District Forest and Divisional-officers during jamabandi.*—The instructions on this subject were attended to in all the districts except *Gódávari*, *Tanjore*, *Nilgiris* and *Malabar*. In the last named three districts it is reported that there was no necessity for a conference. In *Gódávari* the District Forest-officer failed to attend, but a complaint being preferred to a Divisional-officer regarding high scale of charges for trees on darkhast lands the rates were reduced. In *Ganjám* complaints were made regarding the abolition of the permit system on the Mohiri hills and the points complained of have been rectified. In *Kurnool* no conferences were held during jamabandi as the District Forest-officer was otherwise engaged; but it is reported that he had discussed matters with Divisional-officers on many occasions during the year. In *Nellore* the insufficiency of goat-browsing areas and the abandonment of a proposed reserve were urged; steps were taken to comply with the needs. In *North Arcot* the chief request was to disafforest certain reserves in Chittoor range and the matter was under consideration during the year. In *Trichinopoly* there was demand for areas for goat-browsing resulting in the preparation of a scheme which was being considered.

43. *Conference of Forest-officers.*—Two conferences were held during the year in the Central Circle presided over by the Conservator of Forests. Several important subjects were discussed and recorded in the form of a proceedings.

44. *Conduct and Work of Establishment—Northern Circle.*—The conduct of the executive staff in *Kistna* was very unsatisfactory; one Ranger was reduced, another was fined a month's pay for conniving at illicit fellings and a third was suspended for

overstaying his leave. One Deputy Ranger and one Forester were suspended pending explanation of serious charges. Grave complaints were made against one Acting Ranger, one Deputy Ranger and one Forester. Two Foresters in *Kurnool* were removed from service. In *Bellary* one Ranger was reduced to Forester's grade for incompetence and neglect of duty and one Forester was suspended for six months for disobedience of orders. In *Anantapur* the conduct of the executive staff was not good. One Deputy Ranger was dismissed.

Central Circle.—The conduct of the executive staff in *Cuddapah* and *North* and *South Salem* was, with a few exceptions, satisfactory. In *Nellore* two Foresters were suspended for insubordination and disobedience of orders. One Deputy Ranger in *Chingleput* was under suspension in connection with irregularities in his range. In *North Arcot* a Ranger was suspended for a year for misconduct and irregularities and the period of suspension was subsequently reduced to eight months. In *Trichinopoly* one Ranger was reduced temporarily to Deputy Ranger's class for not having reported a case of temporary misappropriation and one Deputy Ranger was suspended for three months for having hushed up a forest offence. A Forester in *Tanjore* was being prosecuted for having misappropriated Government revenue. He has since been convicted.

Southern Circle.—In *South Canara* the services of two Foresters were dispensed with for unsatisfactory work. The work of one of the Rangers was far from satisfactory. In *North Malabar* one Forester was suspended and criminally prosecuted for misappropriation of Government money and sentenced to four years' rigorous imprisonment with a fine of Rs. 800. In *South Malabar* the conduct of a Forester who was supposed to have connived at extensive illicit fellings was under enquiry. One Deputy Ranger in *North Coimbatore* was suspended for serious irregularities and one Forester in *South Coimbatore* was dismissed for fraudulently passing first-class poles as second-class ones. In *Madura* the services of a Forester were dispensed with. A Deputy Ranger and a Forester were placed under suspension in connection with large deficiency in fuel stacks and another probationary Deputy Ranger was prosecuted for extortion. In *Tinnevelly* one Ranger was suspended and reduced for dynamiting a river and another was suspended for neglect of work and incompetence.

The conduct of the protective staff was not satisfactory. Several forest guards and watchers were fined, suspended or dismissed for gross neglect of duty and misconduct and some were convicted criminally and sentenced to various terms of imprisonment for misappropriation, etc. The prosecution of the Revenue gumastah in *Gódávari* ordered in 1901 ended in his conviction. In *North Salem* one forest guard was murdered by four illiterate persons in a thick jungle. One of the accused was taken as an approver and the other three were sentenced to death and executed.

The conduct of the clerical establishment was fair.

45. *Health of the establishment.*—In the *Northern Circle*, the health of the establishment was generally good in all the districts. In *Ganjâm* the subordinates suffered a good deal from fever during the first half of the year. In *Gódávari* it continued to be as bad as usual and many casualties occurred amongst subordinates due to fever and dysentery contracted while on duty. In *Kurnool* the Nallamalais were, as usual, unhealthy. In the *Central Circle* the subordinates employed in parts of *Cuddapah*, and in the Coast and Sríharikóta ranges in *Nellore* suffered badly from malarial fever. The Tenmalais or Kalroyan hills in *South Arcot* and Pachamalais in *Trichinopoly* continued to be unhealthy. One Forester in *North Salem* died of malarial fever and consumption contracted on the Javadis. In *South Salem* the health of the staff was far from satisfactory and there were frequent attacks of fever. In the *Southern Circle* malarial fever was as usual prevalent in *South Canara* in the ghât tracts during the months of March to May. The subordinates in the Mudumalai and Segur ranges of the *Nilgiris* suffered much from malaria. *North* and *South Coimbatore* continued unhealthy and there were casualties in the former district; *Madura* and most parts of *Tinnevelly* continued to be healthy. The subordinates in *North Malabar* suffered from fever during the hot weather.

46. *Service books.*—These are reported to have been maintained and verified in all districts except *Nellore*, *North* and *South Arcot* where some books still remained for verification. In some districts the books have been verified up to the end of the financial year, while in others they are brought up to the close of the forest year.

47. *Tours of the Forest Member.*—The Hon'ble Mr. (now Sir Frederick) Nicholson was Forest Member of the Board up to 4th August 1902. During the remaining portion of the forest year the Hon'ble Mr. H. A. Sim, C.I.E., held the Forest portfolio, and visited the districts of Salem, Chingleput, North Arcot, South Arcot, Tanjore and Nellore.

48. *Conservators' inspections—Northern Circle.*—The Conservator visited all the districts and inspected all District Forest-offices except Kurnool.

Central Circle.—The Conservator visited all the districts except Tanjore and inspected all District Forest offices. He was also in charge of the Southern Circle temporarily from 26th November to 25th December 1902.

Southern Circle.—The Conservator visited the districts of his circle with the exception of *South Canara*, *North Malabar* and *North Coimbatore.* All the District Forest-offices except those of *South Canara* and *North Malabar* were inspected by him.

49. *Touring of District Forest-officers.*—All the District Forest-officers except those of *Chingleput* and *South Coimbatore* spent more than half the year in camp. In the former district the short touring was due to the illness of the District Forest-officer and in the latter to the charge having been held by the Conservator of Forests for more than a month.

50. *Inspection of Range offices by District Forest-officers.*—The Range offices in all the districts except *Vizagapatam*, *Gódávari*, *Kistna*, *Kurnool*, *Cuddapah*, *Nellore*, *North and South Arcot*, *Nilgiris* and *South Coimbatore* were inspected twice. In the districts excepted some Range offices were inspected only once and others twice.

51. *Audit of the accounts of the District Forest-offices.*—The accounts of all the District Forest-offices except *Bellary*, *Anantapur* and *South Canara* were as usual audited by the Local Fund inspecting staff of the Accountant-General's office and the results were reported to be satisfactory except in *Nellore*, *Tanjore* and *South Salem* and remedial measures are being adopted.

52. *Forest School.*—A Deputy Ranger from each of the *Northern* and *Southern Circles*, and three Deputy Rangers and one stipendiary student from the *Central Circle* were sent to the school during the year. A stipendiary student of the Northern Circle and another of the Central Circle, and four Government students from the Southern Circle returned from the school with Rangers' certificates. Two of the students of the *Southern Circle* passed with honours. Proposals for the training of Forest Guards locally are under consideration.

53. *Work and services of Superior officers—Northern Circle.*—Mr. A. W. Lushington, the Acting Conservator of Forests, forwards the following note on the work of the District Forest-officers written by Mr. Porter who was in charge of the Circle till 10th April 1903 :—

"Mr. Arbuthnot in *Bellary* and Mr. Dawson in *Kistna* have been most energetic in inspecting their forests and in putting a stop to the illicit grazing and felling which were formerly prevalent.

"Mr. Battie has done good work in keeping things going in the enormous forest area of the *Kurnool* district which is far too extensive for one District Forest-officer.

"Mr. Wood as usual has done good work in *Gódávari* especially in preparing preliminary working-plans, a work for which he is specially competent owing to the intimate knowledge he possesses of the requirements of the forests and of the adjoining inhabitants.

"Mr. Fischer spends much time in camp and is endeavouring to develop his forests. He is thoroughly acquainted with the forests of the *Ganjám* district and he is now engaged in preparing preliminary working-plans for them.

"Messrs. Aitchison and Barlow-Poole have only assumed charge of districts comparatively recently but both have shown by better work in the *Vizagapatam* and *Anantapur* districts respectively, that they are keen, active and intelligent officers."

Mr. Lushington adds the following : "As far as the undersigned has been able to see he fully endorses Mr. Porter's opinion and would also commend Mr. Aitchison's excellent protection in *Vizagapatam*, Mr. Wood's zeal in investigating schemes for opening out the Gódávari forests, Mr. Battie's indefatigable energy in carrying through

the vast work of supplying 20,000 tons of firewood to the Southern Mahratta Railway and Mr. Barlow-Poole's careful attention to the development of the working plans in his district."

Central Circle.—The following is an extract from the Collectors' remarks in district reports with the opinion of the Conservator Mr. E. D. M. Hooper :—

Cuddapah.—The Collector considers "The administration of the department by the District Forest-officer and his staff during the year satisfactory". The Conservator says "Mr. Scot has no doubt worked with great earnestness" and so has Mr. T. Bapu Rao the Extra Assistant Conservator attached to the district.

Nellore.—The Collector says "Mr. Murray certainly does not spare efforts to increase the efficiency of the department". The Conservator adds "I consider that if he were more hopeful of forest work in this Presidency, he would be more successful".

Chingleput.—The Collector says "Mr. Woutersz did the best he could with an inadequate and inefficient establishment. The revenue exceeded the budget estimate by nearly Rs. 5,000 and marked progress was made in the preparation of maps and working plans. The falling off in prosecutions is also a matter for congratulation". The Conservator remarks "Mr. Woutersz was on leave during part of the year and was crippled for several other months and I do not share the Collector's opinion completely".

North Arcot.—The Collector says "Mr. Thornton proceeded on sick leave in March last. I have been well satisfied with the work of Mr. C. M. Maduranayakam Pillai who succeeded him". The Conservator agrees.

South Arcot.—The Collector writes "The forest administration of the district has been satisfactory on the whole during the period under report. Mr. Peake continues to show himself a most zealous and painstaking officer". The Conservator agrees.

North Salem.—The Collector reports "The District Forest-officer, North Salem, Mr. Rama Rao has done excellent work during the year and the results of the division of the district into two have been satisfactory". The Conservator agrees.

South Salem.—The Collector says "Mr. Lodge's work has been throughout satisfactory during the year. I consider that there has been a general improvement due to his efforts in forest administration as far as is possible with a small staff". The Conservator adds "Mr. Lodge having been relieved of half his charge by the division of the district and of working plan work by a special officer has had more leisure to devote to details of administration".

Trichinopoly.—The Collector writes "The District Forest-officer Mr. T. M. Nallaswami Naidu has done really excellent work. He is untiring in his efforts to improve the forest administration of the district and he has succeeded to a marked extent". The Conservator agrees and adds "He has had a very wearisome task which he has performed admirably".

The Conservator, Central Circle, also brings to notice the good work done by Mr. V. S. Gurunatha Pillai, Extra Assistant Conservator, as Working Plans Officer.

Southern Circle.—Mr. C. E. Brasier, the Conservator of Forests, writes as follows:—"All the District Forest-officers of the Circle appear to have worked efficiently and well, but as I was only in charge of the Circle for half of the year, I must confine my remarks regarding individual works to those officers whose districts I inspected during the year. They are as follows :—

Mr. Bryant in Madura has done excellent work in supplying the South Indian Railway with fuel and in securing further large contracts for the current and subsequent years of 7,000 and 12,000 tons respectively. He has also shown considerable aptitude in working the numerous working-plans in force in his district.

Mr. Jackson in South Coimbatore has worked satisfactorily in his somewhat difficult charge although he suffered from ill-health during a part of the year.

Mr. Richmond in Tinnevelly has been very energetic. He takes an intelligent interest in his work and is eminently suited to his charge which requires a young and active officer."

CHAPTER V.—General.

54. *Realization of revenue from the usufruct of toddy-yielding trees on Government waste and poramboke lands.*—In *Ganjám*, *Vizagapatam*, *Trichinopoly* and *North Coimbatore* the revenue under this item was small. In *Gódávari* there was an increase of Rs. 2,493 over last year's collection, and in *Kistna* and *Kurnool* the revenue amounted to Rs. 6,419 and Rs. 18,026 respectively. The fixed fee system was in force in *Bellary*, *North Arcot* and *Anantapur* and there was an increase in the revenue in the former two districts and a decrease in the last-named district. The annual rate charged per palmyra and date tree continued to be one anna in *Nellore* and the revenue realized was Rs. 2,293 against Rs. 2,609 in the previous year. In *Cuddapah* the system of charging a fixed fee of 4 annas per tree was continued and the revenue amounted to Rs. 6,130 which was chiefly from trees on unreserved lands. In *South Arcot* and *North Salem* the usufruct of such of the trees as were not taken up under the fixed fee system was leased out subject to the condition that the lessees were not to interfere with the usual privileges of the people. There was a fall in revenue in *South Salem* from Rs. 3,210 to Rs. 1,930 and this is attributed to the sales not having been conducted in proper season. In *South Malabar* there are no toddy-yielding trees while in *South Coimbatore* such trees are very few in reserved forests. As in the latter district no toddy is drawn from date and palmyra trees they are not tapped and applications for tapping licenses were therefore few. The revenue under this head in *Madura* was insignificant as there are very few toddy-yielding trees in the district. The change from the fixed fee system to the auction system in *Tinnevelly* resulted in a marked increase in the revenue derived from unreserved lands.

55. *Measures adopted to encourage the growth of manure-leaf-yielding trees and shrubs.*—In the *Northern Circle* steps were taken to encourage the growth artificially only in *Kistna* for want of demand since the ryots in some districts are not in the habit of using leaf manure and in others they obtain an adequate supply of leaves outside the reserves. In *Kistna* though there existed no demand for leaf manure, seeds of Kanuga (*Pongamia glabra*) were sown in the forests adjoining irrigated areas on the sea coast. In *Bellary* Kanuga leaves were sold direct to the agriculturists at a fixed rate per acre as there were complaints of excessive charge by contractors. In the *Central Circle* very little was done in this direction except in *North Arcot* and *Trichinopoly*. In the latter district experimental sowing of different species was made in about one acre of a reserve and this is reported to be doing fairly well; while in the former district the blanks of certain reserves were sown with *Cassia auriculata* and other indigenous species but the operation is reported to be not fully successful. In *Chingleput* where the demand is greatest, provision for the extension of the growth of leaf-yielding species is being made in the working plans under preparation. In *Nellore* endeavours were made to popularize the use of manure leaves from reserved forests by publishing the rules, the ignorance of which prevented people from resorting hitherto to Government forests for leaves. In *Cuddapah* and *North Salem* the supply in reserves and unreserved lands was sufficient to meet the demand. In *South Arcot* an experiment has been started with a view to watching the effect of treating scrub as a miniature pure coppice to be cut over every year so that intensive working may be introduced if a sustained yield is obtainable. In the *Southern Circle* a portion of Baindur reserve in *South Canara* was thrown open for collection of manure leaves free of charge. In *South Malabar* and *North Coimbatore* no action is called for; the ryots are allowed in the latter division to remove from unreserved lands free of charge the leaves of *Pongamia glabra* and *Tephrosia purpurea*. According to the provisions of working plans the sowing of suitable species in certain working circles was undertaken in *South Coimbatore* where the demand is small and is met from unreserved lands. The sanctioned working plans in *Madura* provide for the necessary supply. In *Tinnevelly* seeds of *Tephrosia perpurea* sown in Gangaikondan reserve were washed away after a shower of rain owing to the hardness of the soil. An area of 5 acres in the same reserve was sown with avaram and vagai, of which

the avaram germinated, but the growth is said to be stunted. Steps were being taken to encourage the growth of manure-yielding shrubs by the grant of poramboke lands on cowles for the cultivation of Kolingi (*Tephrosia purpurea*) and other shrubs.

56. *Supply of Forest produce to meet the wants of the people.*—In *Vizagapatam* people felt no difficulty in obtaining permits for forest produce from permit-issuing stations, a large number of which exist in the district. In *Gódávari* the demand in the Agency was met from unreserved lands and in the district proper provision is being made in the working plans under preparation for a supply from Reserved Forests. In *Kurnool* agricultural and domestic implements were manufactured and distributed to different places for sale. Certain cartmen at Chelama who have been of great assistance to the department in carrying fuel to depots were permitted to cultivate a small area in the clearings round the railway station and the concession kept the cartmen at the disposal of the department throughout the year. The Chenchus of Garapenta were also allowed to cultivate a small area in the Markapur reserve on payment of an annual assessment of As. 2 per acre on condition of their protecting the forests from fire. Arrangements were made in *Bellary* to sell timber and firewood from two depots to the public. In *Cuddapah* the usual collection of redwood in Pullampet and its periodical sales were continued. The sale of agricultural and building materials obtained from the fellings in the fuel coupes was extended to Sidhout during the year. These sales at Cuddapah and Sidhout are reported to have been satisfactory and the prices realized profitable. In *Chingleput* a large number of coupes were opened for sale of fuel to the public and the number of permit-issuing stations was also increased. The people did not purchase permits for removal of produce from a number of the coupes and this is attributed to their better understanding of the rules for the free removal of produce from unreserved lands for domestic consumption. Permits were freely issued in *Nellore.* In *North Arcot* permits were issued departmentally for manure leaf and grass, the system of leasing these products having been stopped. Timber and fuel were sold to the public from depots and the coupe contractors were also bound to sell agricultural implements to the ryots. The seigniorage on manure leaf was reduced from 3 to 2 pies a head-load. In *South Arcot* the people obtained permits for green manure leaves from the lessees of minor forest produce in reserves and the coupe contractors were required to supply fuel, timber and agricultural implements to the public at fixed rates. Instances of delinquencies on the part of contractors and lessees were enquired into and punished. In *North* and *South Salem* agricultural implements were as usual sold to the ryots from depots at a nominal profit. Several depots have been opened for supply of fuel and timber to the chief towns and it is also proposed to open some more depots in *South Salem.* Permit-issuing stations were located at convenient centres in *Trichinopoly* and five more have been added during the year. The wants of the people in *South Malabar* were met from private forests. In *Madura* the local demands were met under the provisions of the working-plans and by opening coupes in the vicinity of the villages. In *Tinnevelly* agricultural implements were sold at seigniorage rates from the babul areas under working-plans. In other districts also it is believed that reasonable arrangements have been made and the working-plan officers are making provision in the working-plans to meet the wants of the people.

57. *Rules under the Forest Act.*—The timber transit rules are reported to have worked satisfactorily without hardship in *Ganjám*, *Gódávari*, *Kistna*, *Kurnool*, *Cuddapah*, *South Coimbatore* and *South Canara.* In *North* and *South Salem* and *North Coimbatore* sandalwood transit rules worked satisfactorily. Timber transit rules were still under revision for *North Arcot* and *Madura.*

58. *Rules under section* 26 *of the Forest Act.*—The privileges allowed by these rules were generally availed of by the public and no complaints or abuses were brought to notice except in *Gódávari*, *Kurnool*, *South Salem* and *North Coimbatore.* In the Bhadráchalam taluk of the *Gódávari* district the cutting of valuable timbers by the Koyas who abused the privileges was prevented with much effort. In *Kurnool* there were several cases of clearing land for cultivation before payment of tree-value. In *South Salem*, as usual, there were cases of felling and damaging reserved trees on unreserved lands and of clearing lands for cultivation without darkhast and payment of the value of trees thereon. In *North Coimbatore* intelligent villagers who were aware of their privileges are reported to have abused them with much profit to themselves

and disadvantage to the poorer classes. A portion of Baindur reserve in *South Canara* was as usual thrown open to the public for the collection of dry firewood, manure leaves and grass free of charge. The system of selling permits like stamps, as a safe guard against defalcations, was introduced in almost all the districts.

59. *Coffee cultivation in reserved forests.*—In South Salem the agreement for 83 cents of land leased out in 1900 was executed and the land was handed over to the planter. In *South Coimbatore* the execution of regular leases for all the estates was pending completion of their correct survey which was being attended to. The approximate area cultivated in the estates amount to 3,186 acres.

60. *Suits.*—In *Trichinopoly* an appeal on behalf of Government filed in the District Court against the Forest Settlement-officer's decision in Mogavanur block was disposed of adverse to Government and a second appeal was preferred to the High Court, the result of which was awaited. In *South Canara* the appeals preferred by the claimants against the orders of the Forest Settlement-officer in respect of four blocks proposed for reservation were pending in the High Court. In *South Malabar* two civil suits regarding claims to unreserved lands and one important criminal suit regarding illicit felling and removal of trees from the Silent valley reserved land were pending. In *Tinnevelly* three civil suits were pending, two of them were claims to portions of Tirukkurungudi and Pápanasam reserves and one to the waterfall at Courtallam by the temple.

61. *Inventory of valuable stock.*—Stock registers are reported to have been maintained and verified in all the districts. In *Nellore* and *North Arcot* the registers were revised, the differences being reconciled and the missing articles written off or paid for by the subordinates responsible for their loss. In *South Salem* the register in the District Forest-office is reported not to be in good order and steps are being taken to set it right.

62. *Elephants.*—The elephant in *Vizagapatam* was in poor condition for some time and is reported to have since improved. The two elephants in *Kurnool* continued to be in good health. The health of the three elephants in *South Canara* was fair, but they are reported to have suffered from boils. In *Nilgiris* Dodda Lakshmi, the old animal, is reported to be too weak for work owing to frequent attacks of zaharbad. Elephant-capturing operations were carried out in *North* and *South Malabar* and the number of animals secured was 13 and 2 respectively. Of the 13 elephants in the former district two died and one was shot being too large to be released from the pit with safety. Nine elephants were purchased from the Military department during the year for Rs. 9,200. One animal in *North Malabar* and two in *South Coimbatore* died. Five animals in *North Malabar* were sold in auction. The number of animals at the close of the year was 74 against 61 of the previous year. Orders were passed on the report of the Superintendent of the Veterinary Department referred to in the two previous reports, and the Conservator, Southern Circle, was asked to place himself in communication with the local officers in Dacca and Burma with a view to secure the services of a few really first-class mahouts, who can train others here, and one specialist in the diseases of elephants, and to ask for advice and opinion as to the scales of food, the times and method of feeding, the hours of work, etc., adopted by them and as to the effect of sun and heat upon elephants. It is reported that similar difficulty is experienced in those provinces. A proposal from the Government of India regarding the abolition of the pit-fall system in favour of the system of noosing or driving into kheddahs was under consideration at the close of the year.

63. *Rain-gauges.*—Readings are reported to have been properly recorded in the districts where the rain-gauges are placed except in *South Salem* and *South Canara* where they are reported to be unreliable.

64. *The saw mill at Mount Stuart.*—The total quantity of logs sawn into boards and scantlings during the year was 20,394 cubic feet against 16,507 in the previous year.

65. *The wire ropeway at Mount Stuart.*—The aggregate number of loads sent down the wire ropeway was 435 of 7,123 cubic feet against 395 of 9,316 cubic feet in the previous year, and the saving effected as compared with the road transport was $4\frac{1}{2}$ pies per cubic foot against $6\frac{1}{2}$ pies in the preceding year.

66. *Mica, etc.*—In *Nellore*, of the 44 mines which remained at work at the beginning of the year, fourteen were relinquished and one fresh lease was sanctioned during the year. Thus the number of mines was reduced to 31 at the close of the year. There were five mines in patta lands and four of them were relinquished during the year. Ten mines are reported to have been working in shrotriem and zamindari lands. Mining operations were carried on only in 24 mines in Government land and owing to unusually heavy rains several were rendered unworkable for a major portion of the year. The total quantity of mica consigned from the district was 357,614 lbs. against 398,187 lbs. in the previous year, and the royalty collected thereon was Rs. 12,429 against Rs. 21,961 in the previous year. The short consignment was reported to be due to several of the principal mines not having been worked in consequence of rains. The demand for flimsy mica and chitkas was much enhanced and that for splittings has revived. The introduction of micanite was reported to have greatly affected the demand for large plates and the uncertainty of the market tends to prevent outlay upon extensive machinery.

In *Gódávari* the plumbago mines in the Rekapalli hills were worked on a small scale and Rs. 636 were realized as royalty.

A prospecting license for gold mining in Kunchikeri village in *Bellary* district was applied for and issued. Licenses for mining gold were issued in Kollegal and Satyamangalam in *North Coimbatore* and a surface rent of Rs. 738-8-0 was collected.

67. *Forest Museum.*—Several specimens were added during the year to the Museum at Coimbatore. The ornamental garden attached to the Museum has also been well kept up.

APPENDICES.

Appendix A.—District areas and Forest reserves.

District.	Total area excluding feudatory and tributary states.	Area excluding zamindari, whole inam villages and minor inams in ryotwari tracts.	Occupied area.	Particulars of remaining area (columns 3—4).			Reserved forests and reserved lands.			Percentage of column 10 to column 3.	Percentage of column 10 to column 7.
				Unoccupied, cultivable, uncultivable and forest areas.	(b) Areas for which returns are not available.	Total of columns 5 and 6.	Reserved forests under Act V of 1882.	Reserved lands.	Total of reserves (columns 8 and 9).		
1	2	3	4	5	6	7	8	9	10	11	12
Northern Circle.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.		
Ganjám	5,357,760	2,841,014	410,107	713,242	1,717,665	2,430,907	343,287	1,302	344,589	12·12	14·17
Vizagapatam	11,035,181	844,796	175,517	315,285	353,994	669,279	190,700	30,009	220,709	26·12	32·97
Gódávari	5,102,080	(a) 2,577,209	1,040,414	1,536,795	..	1,536,795	609,245	47,955	657,200	25·50	42·76
Kistna	5,438,720	3,597,409	2,071,038	1,418,349	108,022	1,526,371	612,460	29,725	642,185	17·85	42·07
Kurnool	4,808,960	(a) 4,217,418	1,401,996	2,815,422	.	2,815,422	1,493,327	219,146	1,712,473	40·60	60·82
Bellary	3,645,623	(a) 2,974,834	1,844,038	1,130,796	..	1,130,796	365,383	41,437	406,820	13·67	35·97
Anantapur	3,558,532	(a) 3,018,044	1,486,402	1.531,642	..	1,531,642	326,089	..	326,089	10·80	21·29
Total ..	38,946,856	20,070,724	8,429,512	9,461,531	2,179,681	11,641,212	3,940,491	369,574	4,310,065	21·47	37·02
Central Circle.											
Cuddapah	5,582,760	(a) 4,856,149	1,428,081	3,428,068	..	3,428,068	1,418,143	100,460	1,518,603	31·27	44·29
Nellore	5,609,600	2,610,206	1,138,109	1,463,741	8,356	1,472,097	472,761	5,708	478,469	18·33	32·50
Chingleput	1,979,040	1,312,689	664,871	641,919	5,899	647,818	136,788	24	136,812	10·42	21·11
North Arcot	4,726,031	2,506,610	896,160	1,603,331	7,119	1,610,450	826,015	332	826,347	32·96	51·31
South Arcot	3,338,230	3,037,311	1,675,405	1,314,219	47,687	1,361,906	424,650	..	424,650	13·98	31·18
Salem	4,818,780	3,448,923	1,450,151	1,998,772	..	1,998,772	965,222	96,586	1,061,808	30·78	53·12
Trichinopoly	2,323,840	1,718,475	1,100,335	614,353	3,787	618,140	189,258	12,400	201,658	11·73	32·62
Tanjore	2,371,685	1,592,342	1,143,541	439,226	9,575	448,801	12,395	..	12,395	00·77	2·76
Total ..	30,749,966	21,082,705	9,496,653	11,503,629	82,423	11,586,052	4,445,232	215,510	4,660,742	22·10	40·22
Southern Circle.											
South Canara	2,576,000	2,564,008	519,084	2,044,924	..	2,044,924	423,475	261,767	685,242	26·72	33·50
Malabar	3,736,294	3,717,909	1,062,969	2,654,940	..	2,654,940	287,417	33,004	320,421	8·61	12·06
Nilgiris, The	612,627	(a) 612,894	200,673	412,221	..	412,221	258,258	60,662	318,920	52·03	77·36
Coimbatore	5,031,297	(a) 4,732,280	2,512,126	2,220,154	..	2,220,154	1,276,921	202,880	1,479,801	31·27	66·65
Madura	5,640,462	(a) 2,078,822	1,120,693	958,129	..	958,129	390,042	6,096	396,138	19·05	41·34
Tinnevelly	3,448,791	2,282,930	1,479,894	799,387	3,649	803,036	278,896	890	279,786	12·25	34·84
Total ..	21,045,471	15,988,843	6,895,439	9,089,755	3,649	9,093,404	2,915,009	565,299	3,480,308	21·76	38·27
Grand Total ..	90,742,293	57,142,272	24,821,604	30,054,915	2,265,753	32,320,668	11,300,732	1,150,383	12,451,115	21·78	38·52

(a) Area by village papers has been adopted, as it is in excess of the survey area.

(b) The figures shown in this column represent the difference between the professional survey area and the corresponding area according to village papers except in the case of Ganjám and Vizagapatam where they represent the area of agency tracts for which returns are not available.

Appendix B.—Reserved forests in square miles.

Districts.	Up to 1901–1902.	During 1901–1902.	During 1902–1903.	Total.
1	2	3	4	5
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	501	36 (b) — 1	..	536
Vizagapatam	224	21	53	298
Gódávari	951	..	1	952
Kistna	839	81	37	957
Kurnool	2,232	64	31 (a) + 38 (a) — 31 (b) — 1	2,333
Bellary	545	11 (a) + 5	10	571
Anantapur	508	..	2	510
Total	5,800	217	140	6,157
Central Circle.				
Cuddapah	2,129	62	27 (b) — 2	2,216
Nellore	698	25	16	739
Chingleput	213	1	..	214
North Arcot	1,196	7 (a) + 63	26 (a) — 1	1,291
South Arcot	693	9 (a) — 41	2	663
North Salem	1,323 (with South Salem)	82 (a) + 65 (with South Salem)	13 (a) + 2	813
South Salem			13 (a) + 26 (a) — 16	695
Trichinopoly	264	5	27	296
Tanjore	18	(a) + 1	..	19
Total	6,534	279	133	6,946
Southern Circle.				
South Canara	647	16 (b) — 1	..	662
North Malabar	201	30	..	231
South Malabar	223	(c) — 5	..	218
The Nilgiris	397	4	2	403
North Coimbatore	1,108	1	215 (a) + 9	1,333
South Coimbatore	657	5	..	662
Madura	598	13 (b) — 1	(a) — 1	609
Tinnevelly	424	(a) + 7	5	436
Total	4,255	69	230	4,554
Grand Total	16,589	565	503	17,657

(a) Revised Estimate. (b) Disafforested. (c) Transferred to South Coimbatore.

APPENDIX C.—Particulars of balance of Lands under Settlement.

Forest Settlement.

District.	Total number and area of blocks brought under settlement up to the end of 1902–1903.		Total number and area of blocks constituted finally as reserved forests up to end of 1902–1903.		Balance at the end of 1902–1903.	
	Number.	Area.	Number.	Area.	Number.	Area.
1	2	3	4	5	6	7
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.
Ganjám	51	538	49	536	2	2
Vizagapatam	52	298	52	298	..	..
Gódávari	85	1,027	84	952	1	75
Kistna	228 (c) — 2	1,006 (a) + 2 (b) — 4 (c) — 8	216	957	10	39
Kurnool	98 (d) — 1	2,631 (a) + 7 (b) — 7 (d) — 1	73	2,333	24	297
Bellary	145	574	142	571	3	3
Anantapur	80	510	80	510	..	..
Total ..	736	6,573	696	6,157	40	416
Central Circle.						
Cuddapah	216 (d) — 2	2,389 (b) — 14 (d) — 2	207	2,216	7	157
Nellore	235 (c) — 2	755 (c) — 4 (b) — 3	222	739	11	9
Chingleput	197	214	196	214	1	(e) ..
North Arcot	193	1,294 (b) — 3	192	1,291	1	(e) ..
South Arcot	157	663	157	663	..	..
North Salem	75	923 (a) + 2 (c) — 1	68	813	7	111
South Salem	103	727 (a) + 10 (b) — 2	99	695	4	40
Trichinopoly	119	316 (a) + 2 (b) — 3	113	296	6	19
Tanjore	15	19	15	19	..	..
Total ..	1,306	7,282	1,269	6,946	37	336
Southern Circle.						
South Canara	116	752	95	662	21	90
North Malabar	23	235	22	231	1	4
South Malabar	12	218	12	218	..	..
The Nilgiris	426 (a)—1	412	387	403	38	9
North Coimbatore	49	1,641 (a) + 9 (b) — 8	43	1,333	6	309
South Coimbatore	21	662	21	662	..	..
Madura	149	619	147	609	2	10
Tinnevelly	64	437	61	436	3	1
Total ..	859	4,977	788	4,554	71	423
Grand Total ..	2,901	18,832	2,753	17,657	148	1,175

(a) Rectification. (b) Excluded at settlement. (c) Initial notification cancelled. (d) Disafforested. (e) Below one sq. mile.

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APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

District.	Settled and reported on.								Settled but not reported on.		Settlement proceeding.	
	Notified under section 16 during 1902–1903, but reservation effected only after 30th June 1903.		With Board or Government awaiting publication of Notification under section 16.		Returned by the Board for revision and remaining either with Collector, District Forest-officer or Forest Settlement-officer.		Total settled and reported on.					
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	8	9	10	11	12	13	14	15	16	17	18	19
Northern Circle.		SQ. MLS.		SQ. MLS.		SQ. MLS.		SQ.MLS.		SQ.MLS.		SQ. MLS.
Ganjám	..	..	1	2	..	..	1	2	1	(a) ..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	..	..	..	1	75
Kistna	..	..	1	7	4	13	5	20	2	12	3	7
Kurnool	5	35	6	61	..	..	11	96	3	21	10	180
Bellary	2	3	..	..	..	..	2	3	..	..	1	(a) ..
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	7	38	8	70	4	13	19	121	6	33	15	262
Central Circle.												
Cuddapah	..	..	..	..	3	128	3	128	4	29	..	..
Nellore	..	..	2	1	..	..	2	1	2	1	7	7
Chingleput	..	..	..	..	..	..	..	..	..	..	1	(a) ..
North Arcot	..	..	..	..	..	..	..	..	..	..	1	(a) ..
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	..	..	1	19	..	..	1	19	2	6	4	86
South Salem	1	9	1	6	..	..	2	15	1	21	1	4
Trichinopoly	..	..	..	..	1	4	1	4	4	12	1	3
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	9	4	26	4	132	9	167	13	69	15	100
Southern Circle.												
South Canara	..	..	..	..	1	5	1	5	5	21	15	64
North Malabar ..	..	..	..	..	..	..	..	..	..	..	1	4
South Malabar ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	5	(a) ..	10	3	..	..	15	3	5	1	18	5
North Coimbatore ..	..	..	3	45	..	..	3	45	1	1	2	263
South Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	1	1	..	..	1	1	..	..	1	9
Tinnevelly	..	..	..	..	..	..	..	..	..	..	3	1
Total ..	5	(a) ..	14	49	1	5	20	54	11	23	40	346
Grand Total, Presidency.	13	47	26	145	9	150	48	342	30	125	70	708

(a) Below one square mile.

APPENDIX C.—Particulars of balance of Lands under Settlement—*cont.*

Districts.	Of lands notified under section 4.																					
	1891–92.		1893–94.		1894–95.		1895–96.		1896–97.		1897–98.		1898–99.		1899–1900.		1900–1901.		1901–1902.		1902–1903.	
	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.	Number.	Area.
	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Northern Circle.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.		S. M.
Ganjám ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	75	..	..
Kistna	..	..	..	..	..	..	..	..	1	5	1	7	..	..	..	..	7	20	1	7	..	..
Kurnool ..	..	..	..	..	..	..	..	..	..	..	2	125	..	..	..	..	3	18	11	125	8	29
Bellary ..	..	..	..	..	..	..	..	..	1	3	..	..	..	..	..	..	..	..	2	(a)	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	2	8	3	132	..	..	..	..	10	38	15	207	10	31
Central Circle.																						
Cuddapah ..	..	..	..	..	5	140	..	..	..	..	2	17	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	2	1	8	7
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)
North Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)
South Arcot ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem ..	..	..	..	..	..	..	1	19	..	..	..	..	..	..	1	5	5	87	..	..	..	..
South Salem ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	2	27	1	4	..	..
Trichinopoly ..	..	..	..	..	..	..	..	..	2	6	..	..	4	13	..	..	..	..	..	..	..	..
Tanjore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	5	140	1	19	2	6	2	17	4	13	3	15	7	114	3	5	10	7
Southern Circle.																						
South Canara ..	..	..	..	..	1	3	2	9	2	8	..	..	2	21	..	..	1	2	4	15	9	32
North Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	4	..	..
South Malabar..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	36	9	2	(a)	..	..
North Coimbatore	1	247	1	34	..	..	..	..	..	..	..	..	..	..	..	..	2	11	2	17	..	..
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	9	..	..
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	(a)	2	1
Total ..	2	248	1	34	1	3	2	9	2	8	..	..	2	21	..	..	39	22	11	45	11	33
Grand Total ..	2	248	1	34	6	143	3	28	6	22	5	149	6	34	3	15	56	174	29	257	31	71

(*a*) Below one square mile.

Appendix D.—Causes of delay in the submission of final notifications of Forest reserves.

Districts.	Causes of delay. Notified under section 16 during 1902–1903, but with effect only after 30th June 1903.	With Board or Government awaiting publication of notification under section 16.	Pending preparation of maps.	Awaiting disposal of appeals.	Awaiting expiry of time prescribed for appeal.	Only recently notified or re-notified under section 4.	Awaiting payment of compensation for acquisition or exchange of lands.	Awaiting settlement of claims under enquiry.	Awaiting District Forest-officers' answers to claims, demarcation, &c.	Settled, but final report pending with the Collector or Forest Settlement-officer.	Pending with the Collector or Forest Settlement-officer for revision of notification.	Awaiting replies to references made to Collector or the Board.	Awaiting inspection by the Forest Settlement-officer.	Other causes, *i.e.*, awaiting information from Tahsildars, return of records from the District Court, &c.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ganjám	..	1	..	..	..	..	..	..	..	1	..	..	..	..	2
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
Kistna	..	1	..	..	..	..	2	..	1	1	4	..	..	1	10
Kurnool	5	6	..	..	..	4	2	..	..	4	..	..	..	3	24
Bellary	2	..	..	..	..	..	..	..	..	..	..	..	..	1	3
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah	..	..	..	4	..	..	..	..	..	..	3	..	..	..	7
Nellore	..	2	..	..	..	..	..	..	..	2	..	..	..	7	11
Chingleput	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
North Arcot	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
South Arcot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Salem	..	1	..	..	..	..	..	2	1	2	..	..	1	..	7
South Salem	1	1	..	..	..	..	..	1	..	1	..	..	..	..	4
Trichinopoly	..	..	..	..	..	..	..	..	1	3	1	1	..	..	6
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South Canara	..	..	..	4	..	..	..	..	1	1	1	..	7	7	21
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
South Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	5	10	..	..	5	..	..	8	..	5	..	..	5	..	38
North Coimbatore	..	3	..	..	1	..	..	..	..	..	..	1	..	1	6
South Coimbatore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	1	..	..	..	..	..	..	..	..	..	..	1	..	2
Tinnevelly	..	..	..	..	..	..	..	2	..	..	..	..	..	1	3
Total ..	13	26	..	8	6	4	4	16	4	20	9	2	14	22	148

APPENDIX E.—Reserved Lands not under Settlement in square miles.

Districts.	Up to 1901–1902.	Added during 1901–1902.	Added during 1902–1903.	Total.	Transferred for settlement. Up to 1901–1902.	Transferred for settlement. During 1901–1902.	Transferred for settlement. During 1902–1903.	Transferred for settlement. Total.	Balance "reserved lands" not under settlement.
1	2	3	4	5	6	7	8	9	10
Northern Circle.									
Ganjám	540	2 (b) — 3 (f) — 1	(h)	538	536	..	2	538	..
Vizagapatam ..	344	..	(g) + 1	345	295	3	..	298	47
Gódávari	952	75	..	1,027	952	75	..	1,027	..
Kistna	1,068	(a) + 5 (b) — 11 (c) — 3	(a) + 2 (b) — 4 (c) — 46 (d) — 8	1,003	987 (a) + 2 (b) — 4	14 (a) + 5 (d) — 8	..	996	7
Kurnool	2,771	20 (a) + 8 (b) — 10 (c) — 86	1 (a) + 1 (b) — 6 (c) — 29 (e) + 7 (f) — 1	2,676	2,474 (b) — 17 (e) + 7 (f) — 1	134 (a) + 8	25	2,630	46
Bellary	631	(e) 5	..	636	574	..	..	574	62
Anantapur.. ..	510	..	..	510	510	..	..	510	..
Total ..	6,816	1	— 82	6,735	6,315	231	27	6,573	162
Central Circle.									
Cuddapah	2,437	(b) — 7 (c) — 42 (g) + 1	(b) — 14 (f) — 2	2,373	2,389 (b) — 14 (f) — 2	..	..	2,373	..
Nellore	766	(a) + 2 (b) — 7	(b) — 3 (c) — 6 (d) — 4	748	747 (b) — 3 (d) — 4	1	7	748	..
Chingleput ..	214	..	..	214	214	..	..	214	..
North Arcot ..	1,234	(b) — 1 (c) — 1 (e) 63	(b) — 3 (e) — 1	1,291	1,295 (b) — 3 (e) — 1	..	..	1,291	(h)
South Arcot ..	705	(e) — 41	(g) — 1	663	664 (g) — 1	..	..	663	..
North Salem ..	923	..	(d) — 1 (e) + 2	924	923 (e) + 1	..	..	924	..
South Salem ..	727	..	(b) — 2 (e) + 10	735	727 (b) — 2 (e) + 10	..	..	735	..
Trichinopoly ..	316	..	(a) + 2 (b) — 3	315	316 (a) + 2 (b) — 3	..	..	315	..
Tanjore	19	..	..	19	19	..	..	19	..
Total ..	7,341	— 33	— 26	7,282	7,274	1	7	7,282	..
Southern Circle.									
South Canara ..	1,090	(a) — 7 (c) — 7 (f) — 1	(a) — 3 (c) — 1	1,071	705	15	32	752	319
North Malabar ..	247	(b) — 10 (c) — 2	..	235	235	..	..	235	..
South Malabar ..	271	(i) — 5	..	266	218	..	..	218	48
The Nilgiris ..	498	..	..	498	412	..	..	412	86
North Coimbatore.	1,649	..	(b) — 8 (e) + 9	1,650	1,623 (b) — 8 (e) + 9	18	..	1,642	8
South Coimbatore .	657	(i) + 5	..	662	662	..	..	662	..
Madura	611	9	(g) — 1	619	611 (g) — 1	9	..	619	..
Tinnevelly ..	429	(e) 7	1	437	436	..	1	437	..
Total ..	5,452	— 11	— 3	5,438	4,902	42	33	4,977	461
Grand Total ..	19,609	— 43	— 111	19,455	18,491	274	67	18,832	623

(a) Revision of area. (b) Excluded at settlement. (c) Unreserved. (d) Initial notification cancelled.
(e) Revision of areas already constituted reserved forests. (f) Disafforested.
(g) Rounding off fractions in previous returns. (h) Below one square mile.
(i) Transferred from South Malabar to South Coimbatore.

APPENDIX F.—Abstract of district reports in regard to the maintenance of maps in accordance with the provisions of section 81 of the Forest Code.

Northern Circle.

Ganjám.—During the year 17 reserve maps and 4 maps of fire protected blocks were prepared.

Vizagapatam.—A district reference map 1″ = 4 miles and 3 range forest reference maps and sketch-maps for reserves were maintained.

Gódávari.—The district map 1″ = 4 miles and also range forest maps (1″=1 mile) separate maps for each reserve, most of them 1″=1 mile and others 2″ and 4″ to the mile were maintained.

Kistna.—Maps for 26 square miles of reserved forests were received for record.

Kurnool.—The maps referred to in the previous years' reports were maintained and posted up to date. Final maps of the Survey of India for 11 reserves were received.

Bellary.—District, range and reserve maps were maintained.

Anantapur.—Final maps were prepared for 506 square miles leaving a balance of 4 square miles for which maps have yet to be prepared.

Central Circle.

Cuddapah.—The district and taluk maps were maintained and posted. Fair copies of reserve maps were prepared for photozincography at the Survey office, Madras. A fresh district map 1″= 4 miles was also prepared with working circles marked on them. Maps of goat-browsing blocks were prepared and copies supplied to the Range officers concerned. 20 tracings of reserves in the Pullampet and Sidhout taluks were prepared and sent to the Range officers to check the boundary lines to be surveyed by the Survey of India party.

Nellore.—Nineteen maps for 5 ranges were prepared and supplied to Range officers.

Chingleput.—The district and taluk maps and atlas sheets were posted up to date. The boundaries with details for 19 reserves in Tiruvallúr range and 29 in the Chingleput range were marked on village plans and sent to Survey office for reproduction. 280 maps for 14 reserves of the Tiruvallúr range were received back from the Survey office. 22 rough and 22 fair working plans for the Tiruvallúr range, 8 rough and 2 fair working plans for the Chingleput range were also prepared. 3 fair copies of working plan maps for Kambakkam and Ambakkam reserves were also prepared.

North Arcot.—Final maps for the reserved forests were prepared for 1,249 square miles leaving a balance of 42 square miles, for which final maps have yet to be prepared.

South Arcot.—The year's work included 8″=1 mile paper tracings for 14 reserves from village survey plans for working plan purposes of Kallakurchi range and 8 tracings 4″ = 1 mile paper tracings and 10 tracing cloth copies of working circle maps for working plan purposes of Tiruvannámalai range. 11 paper outline maps 8″ = 1 mile were supplied to Range officers for preparing estimates and checking final demarcation, 11 copies of reserve maps for the use of Range officers were also prepared. 2 copies of Tiruvannámalai working plan key maps, office reference map, range maps, concession plans and maps to illustrate proposals for the division of the district in two were prepared. All the block maps of the Kallakurchi and Cuddalore covering an area of 192 square miles were reduced from 8″ to 4″ scale in pencil work.

North Salem.—The district forest reference map and range forest reference maps were maintained. Survey of India maps on the four-inch scale for 60 reserved forests, Madras Survey office maps on the eight-inch scale for 6 reserves and departmental survey maps 4″=1 mile scale for 2 reserved forests and working plan maps on the four-inch scale were also maintained.

South Salem.—The district map, working plan maps and copies of the original final notification maps were maintained as also skeleton maps of reserves to mark fire-burnt areas and village maps with reserve boundaries marked thereon.

Trichinopoly.—The district forest reference map together with taluk and range reference map was maintained. Tracing maps of reserved forests aggregating 100 square miles were prepared during the year.

Tanjore.—The district and range reference maps were posted up to date and maintained while separate maps were prepared for each reserve with topographical features and admitted rights shown thereon. Working plan map on the eight-inch scale for Vattangudi reserve, North and South Casuarina plantations and Neiduvasal plantations, Shiyali taluk, were maintained.

Southern Circle.

South Canara.—The district reference map was posted up to date and maps were maintained for all the reserved forests except Bhagimale and Mujumale.

North Malabar.—Final maps for all the reserved forests except Kanoth extension were prepared and printed in the Survey office, Madras.

South Malabar.—The district reference map was posted to date while reserve and range maps were maintained. Working circle maps were also prepared.

The Nilgiris.—The office reference map, the range topographical maps and settlement maps were posted to date. There were no separate maps for reserves except for Mudumalai, Bennee and Kambarakolli forests; but settlement maps exist for every village in the district which were duly maintained with all the reserves shown therein. Working circle plans prepared by Messrs. Gamble and Arbuthnot were maintained for (1) Arambi, (2) Cairn hill, (3) Bleak house and seven other reserves.

North Coimbatore.—The office reference map was maintained. Topographical sheets were used as range reference maps. Reserve maps for all the reserves in the Erode range are prepared. Settlement maps have been supplied to Range officers for the principal reserves to be used together with the topographical sheets until the survey is completed.

South Coimbatore.—The district forest reference map was maintained in duplicate. The taluk maps were utilized for range reference maps. Survey of India maps of all but five reserves were maintained. In three of the five cases referred to there are survey maps of the Madras Survey. There are besides separate maps for each of the working circles.

Madura.—Maps of India survey for Omayar and Kaduvumalai reserve forests were received. There are Survey of India maps for all the reserves in the district except for nine blocks.

Tinnevelly.—District reference map was posted up 30th June 1903. Copies of final maps for Manpothai reserve were received from the Survey office.

APPENDIX G.—Statement showing Area of Reserved Forests for which final Maps have been prepared.

Districts	Area of reserved forests.	Area of reserved forests for which final maps have been prepared.
	SQ. MILES.	SQ. MILES.
Ganjám	536	536
Vizagapatam	298	14
Gódávari	952	..
Kistna	957	587
Kurnool	2,333	794
Bellary	571	499
Anantapur	510	506
Cuddapah	2,216	2,160
Nellore	739	187
Chingleput	214	68
North Arcot	1,291	1,249
South Arcot	663	663
North Salem	813	813
South Salem	695	670
Trichinopoly	296	61
Tanjore	19	19
South Canara	662	647
North Malabar	231	229
South Malabar	218	35
The Nilgiris	403	..
North Coimbatore	1,333	24
South Coimbatore	662	658
Madura	609	598
Tinnevelly	436	410
Total ..	17,657	11,427

Annual Form No. 44.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1902–1903.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands.
	Area on 1st July 1902.		Added during the year.	Excluded during the year.	Area on 30th June 1903.		Area on 1st July 1902.		Added during the year.	Excluded during the year.	Area on 30th June 1903.		
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
Northern Circle.													SQ. MLS.
Ganjám	343,287	536	..	..	343,287	536	1,200	2	102	..	1,302	2	538
Vizagapatam	156,996	245	33,704	..	190,700	298	63,713	99	..	33,704	30,009	47	345
Gódávari	608,370	951	875	..	609,245	952	48,830	76	..	875	47,955	75	1,027
Kistna	588,754	920	23,706	..	612,460	957	88,689	139	1,106	60,070	29,725	46	1,003
Kurnool	1,469,800	2,296	44,281	20,754	1,493,327	2,333	260,228	407	1,800	42,882	219,146	343	2,676
Bellary	358,842	561	6,545	4	365,383	571	47,988	75	..	6,551	41,437	65	636
Anantapur	324,878	508	1,211	..	326,089	510	1,211	2	..	1,211	..	..	510
Total ..	3,850,927	6,017	110,322	20,758	3,940,491	6,157	511,859	800	3,008	145,293	369,574	578	6,735
Central Circle.													
Cuddapah	1,402,457	2,191	16,906	1,220	1,418,143	2,216	126,469	198	..	26,009	100,460	157	2,373
Nellore	462,561	723	10,330	130	472,761	739	24,400	38	9	18,701	5,708	9	748
Chingleput	136,788	214	..	..	136,788	214	..	..	24	..	24	..	214
North Arcot	810,416	1,266	16,614	1,015	826,015	1,291	18,662	29	6	18,336	332	..	1,291
South Arcot	423,030	661	1,633	13	424,650	663	1,633	3	..	1,633	..	..	663
North Salem	510,790	798	10,561	1,058	520,293	813	80,099	125	..	9,084	71,015	111	924
South Salem	430,194	672	24,621	9,886	444,929	695	35,133	55	..	9,562	25,571	40	735
Trichinopoly	171,898	269	17,360	..	189,258	296	30,286	47	1,541	19,427	12,400	19	315
Tanjore	12,395	19	..	..	12,395	19	..	..	..	..	..	..	19
Total ..	4,360,529	6,813	98,025	13,322	4,445,232	6,946	316,682	495	1,580	102,752	215,510	336	7,282
Southern Circle.													
South Canara	423,475	662	..	..	423,475	662	264,351	413	18	2,602	261,767	409	1,071
North Malabar	147,578	231	..	..	147,578	231	2,492 *	4	..	..	2,492	4	235
South Malabar	139,839	218	..	..	139,839	218	30,510	48	2	..	30,512	48	266
The Nilgiris	256,933	401	1,332	7	258,258	403	61,896	97	159	1,393	60,662	95	498
North Coimbatore	709,940	1,109	143,324	..	853,264	1,333	345,926	540	..	143,046	202,880	317	1,650
South Coimbatore	423,657	662	..	..	423,657	662	..	..	..	..	..	..	662
Madura	390,042	610	..	..	390,042	609	6,096	10	..	..	6,096	10	619
Tinnevelly	275,746	431	3,163	13	278,896	436	3,460	5	609	3,179	890	1	437
Total ..	2,767,210	4,324	147,819	20	2,915,009	4,554	714,731	1,117	788	150,220	565,299	884	5,438
Grand Total ..	10,978,666	17,154	356,166	34,100	11,300,732	17,657	1,543,272	2,412	5,376	398,265	1,150,383	1,798	19,455

* Includes 22 acres omitted in the previous year's statement.

Form No. 44.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Ganjám.	Area notified in previous years ..	343,287	536	..	..	343,287	536	
	Reserved lands not transferred to reserved forests during the year.							
Ganjám.	Mahaghora I and II	1,200	..	..	..	1,200	..	No. 340, dated 28th August 1902.
Ganjám.	Gogodo extension	..	..	102	..	102	..	No. 56, dated 28th January 1903.
Ganjám.	Total ..	1,200	2	102	..	1,302	2	
	Reserved forests.							
Vizagapatam.	Palkonda	..	..	4,580	..	4,580	..	No. 436, dated 28th November 1902.
Vizagapatam.	Sarugudu blocks Nos. I, III and IV.	..	..	6,754	..	6,754	..	No. 438, dated 28th November 1902.
Vizagapatam.	Sarugudu block No. II	..	..	12,325	..	12,325	..	No. 134, dated 26th March 1903.
Vizagapatam.	Kadagandi	..	..	9,920	..	9,920	..	No. 456, dated 16th December 1902.
Vizagapatam.	Donabai	..	..	125	..	125	..	No. 66, dated 6th February 1903.
Vizagapatam.	Area notified in previous years ..	156,996	..	..	..	156,996	..	
Vizagapatam.	Total ..	156,996	245	33,704	..	190,700	298	
	Reserved lands not transferred to reserved forests during the year.							
Vizagapatam.	Area notified in previous years ..	30,009	47	..	..	30,009	47	
	Reserved forests.							
Gódávari.	Dharbhagudem extension ..	..	..	875	..	875	..	No. 209, dated May 1902.
Gódávari.	Area notified in previous years ..	608,370	..	..	..	608,370	..	
Gódávari.	Total ..	608,370	951	875	..	609,245	952	
	Reserved lands not transferred to reserved forests during the year.							
Gódávari.	Area notified in previous years ..	47,955	75	..	..	47,955	75	
	Reserved forests.							
Kistna..	Kodurparra	..	..	5,600	..	5,600	..	No. 356, dated 19th September 1902.
Kistna..	Munipeda	..	..	1,080	..	1,080	..	No. 464, dated 20th December 1902.
Kistna..	Kanur	..	..	1,667	..	1,667	..	No. 25, dated 16th January 1903.
Kistna..	Nachugunta block No. II ..	..	..	2,752	..	2,752	..	No. 93, dated 27th February 1903.
Kistna..	Kottur Extension No. IV ..	..	..	131	..	131	..	No. 262, dated 21st June 1902.
Kistna..	Jaggayapet extension No. II ..	..	..	360	..	360	..	No. 465, dated 20th December 1902.
Kistna..	Kondapalli do. No. IV ..	..	..	630	..	630	..	No. 90, dated 16th February 1903.
Kistna..	Kuntimaddi	..	..	725	..	725	..	No. 95, dated 17th February 1903.
Kistna..	Venkatayapalem Extension No. IV.	..	..	1,310	..	1,310	..	No. 282, dated 11th July 1902.
Kistna..	Vemavaram Extension No. I ..	..	..	289	..	289	..	No. 328, dated 20th August 1902.
Kistna..	Tangeda Extension No. IV ..	..	..	78	..	78	..	No. 417, dated 13th November 1902.
Kistna..	Venkatayapalem extension No. II.	..	..	1,771	..	1,771	..	No. 68, dated 6th February 1903.
Kistna..	Venkatayapalem extension No. X.	..	..	1,456	..	1,456	..	No. 68, dated 6th February 1903.
Kistna..	Tangeda extension No. III ..	..	..	669	..	669	..	No. 101, dated 27th February 1903.
Kistna..	Kakirala do. No. IV ..	..	..	1,211	..	1,211	..	No. 192, dated 7th May 1902.
Kistna..	Mandadi	..	..	3,480	..	3,480	..	No. 353, dated 8th September 1902.
Kistna..	Pasvemula extension No. IX ..	..	..	497	..	497	..	No. 132, dated 26th March 1903.
Kistna..	Area notified in previous years ..	588,754	..	..	..	588,754	..	
Kistna..	Total ..	588,754	920	23,706	..	612,460	957	

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Added.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
Kistna—*cont.*	Romperu I and II	4,550	..	..	(e) 4,550	..	..	No. 367, dated 22nd September 1902.
	Area notified in previous years ..	60,433	..	(a) 1,106	(b) 2,668 (c) 29,146	29,725	..	
	Total ..	64,983	102	1,106	36,364	29,725	46	
	Reserved forests.							
Kurnool.	Kothakota date tope	..	..	291	..	291	..	No. 191, dated 8th May 1902.
	Devagudipad	..	..	2,869	..	2,869	..	No. 231, dated 26th May 1902.
	Pyapali extension No. II ..	..	..	3,336	..	3,336	..	No. 252, dated 9th June 1902.
	Pyapali extension No. I ..	..	..	1,575	..	1,575	..	No. 283, dated 27th June 1902.
	Eastern Nallamalai block No. VIII.	..	..	2,173	..	2,173	..	No. 300, dated 21st July 1902.
	Podilla	..	..	441	..	441	..	No. 346, dated 2nd September 1902.
	Tekulakonda extension No. I ..	..	..	158	..	158	..	No. 350, dated 2nd September 1902.
	Do. extension No. II ..	..	..	1,102	..	1,102	..	Do.
	Jaladurgam extension No. III ..	..	..	80	..	80	..	No. 65, dated 6th February 1903.
	Sirvel addition No. VII	..	..	2,950	..	2,950	..	No. 77, dated 10th February 1903.
	Eastern Nallamalai extension No. X.	..	..	5,094	..	5,094	..	No. 88, dated 27th February 1903.
	Pylakurti	..	..	..	(d) 819	1,473,258 (covers this row and the next)	..	No. 327, dated 20th August 1902.
	Area notified in previous years ..	1,469,800	..	(a) 24,212	(a) 19,935		..	
	Total ..	1,469,800	2,296	44,281	20,754	1,493,327	2,333	
	Reserved lands not transferred to reserved forests during the year.							
	Chinaganipalli	1,202	..	..	..	1,202	..	No. 378, dated 2nd October 1902.
	Tuggali No. II	2,233	..	..	..	2,233	..	No. 467, dated 20th December 1902.
	Waddamanu	861	..	422	..	1,283	..	No. 131, dated 30th March 1903.
	Lanjabanda extension	3,770	..	218	..	3,988	..	No. 174, dated 24th April 1903.
	Baddivid do.	..	..	537	..	537	..	No. 198, dated 5th May 1903.
	Tokapalli do.	..	..	501	..	501	..	Do.
	Madhavaram	6,387	..	..	..	6,387	..	No. 255, dated 15th June 1903.
	Area notified in previous years..	225,706	..	(a) 122	(b) 4,181 (c) 18,632	203,015	..	
	Total ..	240,159	375	1,800	22,813	219,146	343	
	Reserved forests.							
Bellary.	Nandibanda	..	..	5,105	..	5,105	..	No. 250, dated 9th June 1902.
	Hyrada north-east	..	..	1,435	..	1,435	..	No. 301, dated 22nd July 1902.
	Area notified in previous years..	358,842	..	(a) 5	(d) 4	358,843	..	
	Total ..	358,842	561	6,545	4	365,383	571	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	41,448	..	..	(b) 11	41,437	..	
	Total ..	41,448	65	..	11	41,437	65	
	Reserved forests.							
Anantapur.	Kodihalli	..	..	1,211	..	1,211	..	No. 450, dated 5th December 1902.
	Area notified in previous years..	324,878	..	..	..	324,878	..	
	Total ..	324,878	508	1,211	..	326,089	510	
	Reserved lands not transferred to reserved forests—Nil.							

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned. (d) Disafforested. (e) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of notification of addition or transfer.
	Reserved forests.							
Cuddapah.	Appayapalli tope	..	..	94	..	94	..	No. 204, dated 14th May 1902.
	Kodur topes A and B	..	..	12	..	12	..	No. 216, dated 27th May 1902.
	Sydapuram tope	..	..	6	..	6	..	No. 216, dated 27th May 1902.
	Talla Prodatur A and B	..	..	113	..	113	..	No. 281, dated 11th July 1902.
	Dhanayanicheruvu	..	..	8	..	8	..	No. 299, dated 21st July 1902.
	Diguvapatnam tope	..	..	13	..	13	..	No. 59, dated 27th January 1903.
	Kondapuram plantation ..	..	..	23	..	23	..	No. 113, dated 9th March 1903.
	Seshachalam extension D ..	..	..	16,637	..	16,637	..	No. 116, dated 18th March 1903.
	Madhavaram extension west .. } Tummala .. .. } Area notified in previous years .. }	1,402,457	..	..	(d) 1,153 (d) 67	1,401,237	..	No. 259, dated 22nd June 1903. No. 251, dated 9th June 1902.
	Total ..	1,402,457	2,191	16,906	1,220	1,418,143	2,216	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	109,563	..	..	(a) 67 (b) 9,036	100,460	..	
	Total ..	109,563	171	..	9,103	100,460	157	
	Reserved forests.							
Nellore.	China Annalur topes A to F ..	..	..	328	..	328	..	No. 228, dated 23rd May 1902.
	Brahmanakraka tope, blocks Nos. I, II and III	..	..	105	..	105	..	No. 228, dated 23rd May 1902.
	Udayagiri Veligonda reserved forest block, A extension.	..	..	1,263	..	1,263	..	No. 253, dated 9th June 1902.
	Udayagiri Veligonda reserved forest block, B extension.	..	..	950	..	950	..	No. 254, dated 9th June 1902.
	Nallapalem reserve	..	..	1,816	..	1,816	..	No. 280, dated 27th June 1902.
	Kakivaya tope, blocks Nos. I and II.	..	..	643	..	643	..	No. 310, dated 5th August 1902.
	Kanuparti casuarina plantation extension.	..	..	830	..	830	..	No. 318, dated 11th August 1902.
	Kottapatam casuarina plantation extension.	..	..	160	..	160	..	No. 318, dated 11th August 1902.
	Kodur	..	..	61	..	61	..	No. 349, dated 1st September 1902.
	Penubarti	..	..	1,643	..	1,643	..	No. 371, dated 24th September 1902.
	Amanicheruvella Inagalur tope block.	..	..	647	..	647	..	No. 37, dated 22nd January 1903.
	Nandanavanam B extension A.	..	..	996	..	996	..	No. 129, dated 26th March 1903.
	Dachur	..	..	888	..	888	..	No. 130, dated 26th March 1903.
	Area notified in previous years ..	462,561	..	..	(d) 130	4,62,431	..	No. 55, dated 28th January 1903.
	Total ..	462,561	723	10,330	130	472,761	739	
	Reserved lands not transferred to reserved forests during the year.							
	Nandanavanam block A, I extension.	..	..	9	..	9	..	No. 26, dated 13th January 1903.
	Kavali tope	137	..	..	..	137	..	No. 96, dated 16th February 1903.
	Musunur tope	237	..	..	..	237	..	
	Anamadugu Chennayapalem tope	2,806	..	..	..	2,806	..	
	Lingamgunta tope	862	..	..	..	862	..	
	Mungamur tope	92	..	..	..	92	..	No. 199, dated 7th May 1903.
	Kadanuthala tope A	79	..	..	..	79	..	
	Do. do. B	193	..	..	..	193	..	
	Kolladinne	292	..	..	..	292	..	
	Irakam and Venadu topes	2,557	..	..	(e) 2,557	..	..	No. 457, dated 6th December 1902.
	Area notified in previous years ..	6,815	..	..	(b) 1,896 (e) 3,918	1,001	..	
	Total ..	14,070	22	9	8,371	5,708	9	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned. (d) Disafforested. (e) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
Chingle-put.	*Reserved forests.*							
	Area notified in previous years ..	136,788	214	..	..	136,788	214	
	Reserved lands not transferred to reserved forests during the year.							
	Wallajabad tope	..	..	24	..	24 ..	..	No. 100, dated 23rd February 1903.
North Arcot.	*Reserved forests.*							
	Napier extension	..	..	26	..	26	..	No. 320, dated 11th August 1902.
	Peddur extension	..	..	9,394	..	9,394	..	No. 329, dated 18th August 1902.
	Nellipatla	..	..	7,135	..	7,135	..	No. 424, dated 20th November 1902.
	Area notified in previous years ..	810,416	..	(*a*) 59	(*a*) 1,015	809,460	..	
	Total ..	810,416	1,266	16,614	1,015	826,015	1,291	
	Reserved lands not transferred to reserved forests during the year.							
	Whitesides garden	..	..	6	..	6	..	No. 151, dated 9th April 1903.
	Area notified in previous years ..	2,107	..	..	(*b*) 1,781	326	..	
	Total ..	2,107	4	6	1,781	332	1	
South Arcot.	*Reserved forests.*							
	Odayanatham	..	..	1,603	..	1,603	..	No. 261, dated 23rd June 1902.
	Kattuvanangur	..	..	30	..	30	..	No. 5, dated 27th December 1902.
	Area notified in previous years ..	423,030	..	..	(*d*) 13	423,017	..	No. 8, dated 20th December 1902.
	Total ..	423,030	661	1,633	13	424,650	663	
	Reserved lands not transferred to reserved forests—Nil.							
North Salem.	*Reserved forests.*							
	Sanamavu	..	..	4,794	..	4,794	..	No. 67, dated 3rd February 1903.
	Narlapalli	..	..	3,760	..	3,760	..	No. 75, dated 10th February 1903.
	Area notified in previous years ..	510,790	..	(*a*) 2,007	(*a*) 1,058	511,739	..	
	Total ..	510,790	798	10,561	1,058	520,293	813	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	71,545	112	..	(*b*) 26 (*e*) 504	71,015	..	
	Total ..	71,545	112	..	530	71,015	111	
South Salem.	*Reserved forests.*							
	Mallur	..	..	6,475	..	6,475	..	No. 388, dated 28th August 1902.
	Bommaiyampatti	..	..	1,814	..	1,814	..	No. 109, dated 9th March 1903.
	Area notified in previous years ..	430,194	..	(*a*)16,332	(*a*) 9,724 (*b*) 162	436,640	..	
	Total ..	430,194	672	24,621	9,886	444,929	695	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	26,844	42	..	(*b*) 1,273	25,571	40	

(*a*) Revision of area. (*b*) Excluded at settlement. (*d*) Disafforested. (*e*) Initial notification cancelled.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved forests.							
Trichinopoly.	Kottathur	..	..	2,209	..	2,209	..	No. 207, dated 14th May 1902.
	Maramareddipalaiyam	..	..	869	..	869	..	No. 321, dated 5th August 1902.
	Valkaradu	..	..	639	..	639	..	No. 425, dated 18th November 1902.
	Vairasettipalaiyam	..	..	1,865	..	1,865	..	No 452, dated 5th December 1902.
	Veeramachampatti	..	..	3,878	..	3,878	..	No. 2, dated 27th December 1902.
	Sathramani	..	..	1,853	..	1,853	..	No. 117, dated 20th March 1903.
	Pulambadi No. I	..	..	2,506	..	2,506	..	No. 409, dated 5th November 1902.
	Arsadiarivithi	..	..	3,541	..	3,541	..	No. 418, dated 13th November 1902.
	Area notified in previous years ..	171,898	..	..	..	171,898	..	
	Total ..	171,898	269	17,360	..	189,258	296	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	12,926	20	(a) 1,541	(b) 2,067	12,400	19	
	Reserved forests.							
Tanjore ..	Area notified in previous years ..	12,395	19	..	..	12,395	19	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
South Canara.	Area notified in previous years ..	423,475	662	..	..	423,475	662	
	Reserved lands not transferred to reserved forests during the year.							
	Ballimane Extension	..	..	13	..	13	..	No. 7, dated 26th December 1902.
	Kodialmale	718	..	..	..	718	..	No. 39, dated 21st January 1903.
	Aivarnadu	1,778	..	..	..	1,778	..	No. 293, dated 16th July 1902.
	Adur	5,100	..	..	..	5,100	..	No. 319, dated 11th August 1902.
	Kaniyarmale	3,212	..	..	..	3,212	..	No. 408, dated 5th November 1902.
	Kallapattimale	1,033	..	..	..	1,033	..	No. 407, dated 5th November 1902.
	Kilarmale Extension	..	..	5	..	5	..	No. 60, dated 28th January 1903.
	Subramania	7,373	..	..	..	7,373	..	No. 208, dated 14th May 1903.
	Paikadamale	1,385	..	..	..	1,385	..	No. 256, dated 15th June 1902.
	Area notified in previous years ..	243,752	..	..	(a) 1,920 (c) 682	241,150	..	
	Total ..	264,351	413	18	2,602	261,767	409	
	Reserved forests.							
North Malabar.	Area notified in previous years ..	147,578	231	..	..	147,578	231	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	* 2,492	4	..	..	2,492	4	
	Reserved forests.							
South Malabar.	Area notified in previous years ..	139,839	218	..	..	139,839	218	

(a) Revision of area. (b) Excluded at settlement. (c) Abandoned.

* Includes twenty-two acres omitted in last year's return.

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
South Malabar—*cont.*	Area notified in previous years ..	30,510	48	2	..	30,512	48	
	Reserved forests.							
The Nilgiris.	Addition No. 5 to Kundah ..	..	..	198	..	198	..	No. 94, dated 16th February 1903.
	Woodcock shola	..	..	26	..	26	..	
	Kukal valley	..	..	269	..	269	..	No. 118, dated 18th March 1903.
	Melkundah reserve	..	..	20	..	20	..	No. 135, dated 26th March 1903.
	Kudiyashola No. III	..	..	26	..	26	..	No. 67, dated 6th February 1903.
	Airle	..	..	2	..	2	..	No. 68, dated 6th February 1903.
	Burnside	..	..	6	..	6	..	
	Gwatkin	..	..	7	..	7	..	
	Mandileru	..	..	64	..	64	..	No. 98, dated 23rd February 1903.
	Toluyemmayatti	..	..	20	..	20	..	No. 91, dated 23rd February 1903.
	Kunnavara addition No. III ..	..	..	6	..	6	..	
	Naralimara block No. II ..	..	..	2	..	2	..	
	Seven-mile tope	..	..	2	..	2	..	
	Curzon valley block No. IV ..	..	..	223	..	223	..	
	Kannarihodai	..	..	17	..	17	..	No. 92, dated 17th February 1903.
	Denad reserve addition No. III ..	..	..	76	..	76	..	
	Kattekaduodeola No. I ..	..	..	5	..	5	..	No. 97, dated 16th February 1903.
	Do. ,, II	..	..	8	..	8	..	
	Sundatti reserve addition ..	..	..	35	..	35	..	
	Denad reserve addition No. II ..	..	..	43	..	43	..	
	Neralimera block No. I	..	..	9	..	9	..	
	Nedugula reserve addition ..	..	..	113	..	113	..	
	Ullavunadmund shola addition No. II.	..	..	16	..	16	..	No. 99, dated 23rd February 1903.
	Kadeola reserve	..	..	28	..	28	..	
	Hadumund reserve addition No. I.	..	..	46	..	46	..	
	Hadumund reserve addition No. II.	..	..	20	..	20	..	
	Pambare reserve No. I ..	..	..	21	..	21	..	
	Do. ,, II ..	..	..	14	..	14	..	
	Area notified in previous years ..	256,933	..	(*a*) 10	(*d*) 7	256,936	..	No. 102, dated 27th February 1903.
	Total ..	256,933	401	1,332	7	258,258	403	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years ..	60,574	95	159	(*b*) 71	60,662	95	
	Reserved forests.							
North Coimbatore.	Yedaralli	..	..	131,200	..	131,200	..	No. 372, dated 24th September 1902.
	Tamarakarai	..	..	6,509	..	6,509	..	No. 437, dated 28th November 1902.
	Vellamundi extension	..	..	6	..	6	..	No. 466, dated 20th December 1902.
	Area notified in previous years ..	709,940	..	(*a*) 5,609	..	715,549	..	
	Total ..	709,940	1,109	143,324	..	853,264	1,333	
	Reserved lands not transferred to reserved forests during the year.							
	Area notified in previous years..	208,211	325	..	(*b*) 5,331	202,880	317	
	Reserved forests.							
South Coimbatore.	Area notified in previous years..	423,657	662	..	..	* 423,657	662	
	Reserved lands not transferred to reserved forests during the year—Nil.							
	Reserved forests.							
Madura ..	Area notified in previous year ..	390,042	609	..	..	390,042	609	

(*a*) Revision of area. (*b*) Excluded at settlement. (*d*) Disafforested.

* Includes Tekadi leased forests (17,414·40 acres).

District.	Name of forest.	Area on 1st July 1902. Acres.	Area on 1st July 1902. Equivalent in square miles.	Added during the year. Acres.	Excluded. Acres.	Area on 30th June 1903. Acres.	Area on 30th June 1903. Equivalent in square miles.	Number and date of Notification of addition or transfer.
	Reserved lands not transferred to reserved forests during the year.							
Madura—*cont.*	Area notified in previous years.	6,096	10	..	..	6,096	10	
	Reserved forests.							
Tinnevelly.	Melvittan additions	..	..	71	..	71	..	No. 203, dated 14th May 1902.
	Extension II to Courtallam reserved forest.	..	..	133	..	133	..	No. 205, dated 21st May 1902.
	Aruguli tope	..	..	320	..	320	..	No. 455, dated 24th November 1902.
	Vaippar	..	..	2,639	..	2,639	..	No. 133, dated 25th March 1903.
	Area notified in previous years..	275,746	..	..	(*d*) 13	275,733	..	No. 11, dated 27th December 1902.
	Total ..	275,746	431	3,163	13	278,896	436	
	Reserved lands not transferred to reserved forests during the year.							
	Nedugani	..	..	4	..	4	..	No. 426, dated 18th November 1902.
	Valliyur	..	..	605	..	605	..	No. 197, dated 5th May 1903.
	Area notified in previous years.	297	..	..	(*b*) 16	281	..	
	Total ..	297	..	609	16	890	1	

(*b*) Excluded at settlement. (*d*) Disafforested.

FORM

Forest

STATEMENT showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
NORTHERN							
	SQ. MLS.			SQ. MLS.		RS.	RS.
Ganjám ..	536	....	....	..	..	..	..
Vizagapatam.	245	No. 1071, dated 28th November 1902.	Palkonda	7·15	..	..	..
		No. 1127, dated 16th December 1902.	Kadagandi reserve	15·50	..	..	..
		No. 110, dated 6th February 1903.	Donabai	·19	..	..	..
		No. 1073, dated 28th November 1902 and No. 337 dated 26th March 1903.	Sarugudu blocks I to IV ..	29·81	..	..	..
			Total ..	52·65	..	..	..
Gódávari ..	952	....	....	..	..	..	..
Kistna ..	942·57	No. 737, dated 20th August 1902.	Vemavaram extension ..	0·45	..		
		No. 1013, dated 13th November 1902.	Tangeda extension No. 4 ..	0·11	..		
		No. 1145, dated 20th December 1902.	Munipeda	1·69	..		
		No. 1146, dated 20th December 1902.	Jaggayyapet extension No. 2.	0·56	..		
		No. 14, dated 16th January 1903.	Kanur	2·60	..		
		No. 114, dated 6th February 1903.	Venkatayapalem extension No. 2.	2·77	..		
		Do. do. ..	Venkatayapalem extension No. 10.	2·28	..		
		No. 147, dated 16th February 1903.	Kondapalli extension No. 4 ..	0·98	..	3,168	..
		No. 159, dated 17th February 1903.	Kuntimaddi	1·13	..		
		No. 215, dated 27th February 1903.	Tangeda extension No. 3 ..	1·05	..		
		No. 334, dated 26th March 1903.	Pasvemula extension No. 9 ..	0·78	..		
		....	Yelachitladibba extn. No. 1 ..	2·23	..		
		....	Venkatayapalem extension No. 8.	3·36	..		
		....	Pillutla	4·42	..		
		....	Govindapuram	2·84	..		
		....	Ipurupalem	7·23	..		
			Total ..	34·48	..	3,168	..

(*a*) Below one square mile.

No. 45.

Department, Madras Presidency.

incurred on, Forest Settlements during 1902–1903.

Areas undergoing settlement.						
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		Estimate of areas in which settlement operations have not yet commenced.
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
....	..	Mohoghora	2	..	..	60
....	..	Gogodo extension	(a) ..	..	..	
		Total ..	2	..	..	..
....	..	....	..	..	..	47
....	..	....	..	..	..	
....	..	....	..	..	..	
....	..	....	..	..	..	
Coringa extension	75	....	..	..	..	..
Total ..	75					
Interu	6·90	....	..	..	2,212	7·34
Ramannapeta	0·81	....	..			
Jaggayyapeta extension No. 4.	0·14	....	..			
Venkatayapalem extension No. 5.	6·50	....	..			
Muppalla	4·67	....	..			
Total ..	19·02	Total ..	..	..	2,212	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
							Northern
	SQ. MLS.			SQ. MLS.	RS.	RS.	
Kurnool ..	2,306 + * 6	No. 552, dated 27th June 1902.	Pyápalli extension No. 1 ..	$2\frac{1}{2}$	..	560	..
		No. 642, dated 21st July 1902.	Eastern Nallamalai block No. 8.	$3\frac{1}{3}$	..		
		No. 796, dated 2nd September 1902.	Podilla	$\frac{2}{3}$	..		
		No. 798, dated 2nd September 1902.	Tekulakonda extension No. I ..	2	..		
		No. 798, dated 2nd September 1902.	Tekulakonda extension II ..				
		No. 111, dated 6th February 1903.	Jaladurgam extension No. 3 ..	† ..	..		
		No. 129, dated 10th February 1903.	Sirvel addition No. 7 ..	$4\frac{1}{2}$	15		
		No. 212, dated 27th February 1903.	Eastern Nallamalai block No. 10.	8	..		
		No. 377, dated 9th April 1903.	Jaladurgam extension No. I ..	$6\frac{1}{3}$	40		
		No. 431, dated 30th April 1903.	Eastern Nallamalai block No. 7.	$4\frac{1}{3}$	..		
		No. 545, dated 29th May 1903.	Yeddupenta	$2\frac{1}{3}$	..		
		No. 590, dated 12th June 1903.	Eastern Nallamalai block No 13.	2	25		
		No. 634, dated 22nd June 1903.	Northern Veligonda extension.	20	..		
			Total ..	56	80 + ‡ 44 = 124	560	..
Bellary ..	571	No. 370, dated 6th April 1903.	Chintalapalli, South	3	1,891	35	..
		No. 546, dated 29th May 1903.	Mundrigi reserve				
			Total ..	3	1,891	35	..
Anantapur ..	508	No 1095, dated 5th December 1902.	Kodihalli block I	$\frac{2}{3}$	..	..	..
			Do. block II	1	..		
			Do. block III	$\frac{1}{6}$	..		
			Total ..	$1\frac{5}{6}$	..	..	..
							Central
Cuddapah ..	2,190	No. 595, dated 11th July 1902.	Tallaproddatur	‡	..	..	..
		No. 641, dated 21st July 1902.	Dhanayanicheruvu		..		
		No. 66, dated 27th January 1903.	Diguvapatnam		..		
		No. 258, dated 9th March 1903.	Kondapuram plantation ..		..		
		No. 297, dated 18th March 1903.	Seshachellam extension D ..	26	..		
			Total ..	26	..	..	..
Nellore ..	723	No. 715, dated 11th August 1902.	Kanuparti casuarina plantation extension.	1·30	..	..	..
			Kothapatam extension ..	·25	..	..	..
		No. 338, dated 26th March 1903.	Nandanavanam B extension A.	1·55	..	..	..
		No. 455, dated 23rd May 1902.	China Annalur topes A to F ..	·50	..	..	..
			Brahmankraka topes A to F ..	·16	..	..	..
		No. 519, dated 9th June 1902.	Udayagiri—Veligonda block A extension.	1·95	..	..	..
		No. 516, dated 9th June 1902.	Udayagiri—Veligonda block B extension.	1·45	..	..	..
		No. 39, dated 22nd January 1903.	Amanicheruvella Inagalur tope	1·001	..	..	..

* Due to computation of areas of Nallamalai hills by India Survey Party.
† Below one square mile.
‡ Amount spent for reserve notified in previous year and purchase of land for a road.

incurred on, Forest Settlements during 1902–1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS.	RS.	SQ. MLS.
Panem	37	Chinaganipalli	2	..	2,886 (Chinaganipalli to Madhavaram)	46
Gani	88	Waddamanu	2	..		
Eastern Nallamalai block No. 9.	$3\frac{3}{4}$	Lanjabanda extension ..	6	..		
		Baddivid extension	$\frac{3}{4}$	..		
Eastern Nallamalai block No. 11.	7	Tokapalli extension	$\frac{3}{4}$	..		
		Tuggali No. II	$3\frac{1}{2}$	..		
Eastern Nallamalai block No. 12.	6	Madhavaram	10	10		
Yadavada	$1\frac{3}{4}$					
Owk	52					
Eastern Nallamalai block No. 14.	7					
Kottaburuzu	2					
Southern Veligonda extension.	$10\frac{1}{2}$					
Eastern Nallamalai block VI (*a*)	8					
Eastern Nallamalai block VI (*b*).	4					
Eastern Nallamalai block VI (*c*).	3					
Pattikonda	6					
Total ..	236	Total ..	25	10	2,886	
Haladahalli, A and B	$\frac{1}{4}$	....	..	..	..	49
....	..	....	..	..	..	200
Total ..	..	Total ..	..	..	..	
Circle.					‖	
Idupalapaya extension ..	16	.... (Idupalapaya to Yellutla)	..	..	..	
Ganganapalli extension ..	52					
Sangasamudram	7					
Seshachellam extension A ..	60					
Papipalle, east and west ..	17					
Yellutla extension A	5					
Total ..	157	Total ..	..	..	..	
Srikolanu	·36	Nandanavanam block A extension.	·21 (Nandanavanam and Kavali tope)	..	.. (Nandanavanam to Kolladinne)	
Utukur varini casuarina plantation.	·76	Kavali tope				
Lebur A and B topes	·44	Musunur	·37	..		
		Anamadugu Chinnayapalem ..	4·38	..		
		Lingamgunta	1·35	..		
		Mungamur	·15	..		
		Kadanuthala	·42	..		
		Kolladinne	·46	..		

‖ The cost of settlement has not been apportioned to different columns. The total cost during the year is as follows:—

	RS.	A.	P.
To forest accounts	..		
In other accounts furnished by Forest Settlement-officer.	1,300	13	6
Total ..	1,300	13	6

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year. Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled. In forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.
1	2	3	4	5	6	7	8
							Central
	SQ. MLS.			SQ. MLS.	RS.	RS. A. P.	RS. A. P.
Nellore—*cont.*	723	No. 55, dated 27th June 1902.	Nallapalem	2·80	..	..	..
		No. 692, dated 5th August 1902.	Kakivaya	1·00	..	..	..
		No. 872, dated 24th September 1902.	Penubarti	2·56	..	..	..
		No. 335, dated 26th March 1903.	Dachur	1·39	..	..	..
		No. 789, dated 1st September 1902.	Kodur	·09	..	..	..
			Total ..	16·00	37	..	2 5 0
Chingleput.			*Nil.*				
North Arcot.	1,265 *1·51	No. 713, dated 11th August 1902.	Napier extension	·04	..	..	..
		No. 733, dated 18th August 1902.	Peddur extension	14·68	..	..	..
		No. 1036, dated 20th November 1902.	Nellipatla	11·14	..	..	..
			Total ..	25·86	..	1,300 13 6	50 0 7
South Arcot.	661	No. 1186, dated 27th December 1902.	Kattuvanangur tope	†	..	..	..
		No. 546, dated 23rd June 1902.	Odayanatham	2	‡	..	..
			Total ..	2	..	..	..
North Salem.	800	No. 99, dated 3rd February 1903.	Sanamavu	7	..	..	..
		No. 128, dated 10th February 1903.	Naralapalli	6	..	..	..
			Total ..	13	..	..	..
South Salem.	682·25	No. 772, dated 28th August 1902.	Mallur	10·12	..	..	..
		No. 256, dated 9th March 1903.	Bommaiyampatti	2·83	..	..	..
		No. 481, dated 12th May 1903.	Thirumanur	9·35	..	..	..
			Total ..	22·30	..	..	..
Trichinopoly.	269	No. 422, dated 14th May 1902.	Kottathur	ACRES. 2,209·00	..	..	..
		No. 693, dated 5th August 1902.	Maramareddipalaiyam	869·38	..	..	..
		No. 982, dated 5th November 1902.	Pulámbadi No. 1	2,505·87	..	..	..
		No. 1012, dated 13th November 1902.	Arasadiarivithi	3,541·06	..	..	..
		No. 1029, dated 18th November 1902.	Valkaradu	638·60	..	..	..
		No. 1096, dated 5th December 1902.	Vairisettipalayam	1,852·62	..	..	..
		No. 1185, dated 27th December 1902.	Veeramachampatti	3,877·74	..	..	..
		No. 308, dated 20th March 1903.	Sathiramanai	1,865·42	..	..	..
			Total ..	17,359·69 acres or 27·12 sq. miles.	..	..	..
Tanjore ..	19	....	....	..	..	..	..

* Due to rectification of area, as per India survey maps and adoption of areas as per sanctioned working-plans.
† Below one square mile.
‡ Rs. 1,301 is the figure given by the Forest Settlement-officer, being the proportionate cost of the Forest Settlement establishment debited to this district.

incurred on, Forest Settlements during 1902–1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.	RS. A. P.	RS. A. P.	SQ. MLS.
Total ..	1·56	Total ..	7·34	..	..	
		Nil.				
....	..	Whiteside garden	·01	..	..	
Total ..	..	Total ..	·01	..	..	
....	..	....	..	..	..	
Total ..	..	Total ..	..	..	..	
Ubrani	19	....	..	..	650 0 0	
Vellakuttai extension A ..	1					
Mangalam extensions	4½					
Hudaidurgam	45¾					
Urigam	15					
Hulibanda	14¾					
Kempakarai	11					
Total ..	111	Total ..	..	..	650 0 0	
Sholappadi	5·46	....	..	..	650 6 9	
Nagur extension	4·03					
Kottapatti extension	20·84					
Total ..	30·33	Total ..	..	..	650 6 9	
	ACRES.					
Tachankurichi	2,613·00	....	..	..	1300 13 6	
Mogavanur	1,140·00					
Velur	3,239·39					
Nakkasalem	3,093·91					
Manmalai extension	691·76					
Sengattupatti extension ..	1,621·46					
Total ..	12,399·52 acres or 19·37 sq. miles.	Total ..	..	..	1300 13 6	
....	..	....	..	..	..	

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8

Southern

	SQ. MLS.			SQ. MLS.			
South Canara.	662	....	....	..	..	..	..
			Total ..	..	..	..	..
North Malabar.	231	....	....	..	..	..	..
South Malabar.	218	....	....	..	..	..	..
				ACRES.			
The Nilgiris.	401·46*	No. 112, Rev., dated 6th February 1903.	Airlie	2	..	..	..
		Do.	Gwatkin	7	..	..	..
		Do.	Burnside	6	..	..	..
		No. 113, Rev., dated 6th February 1903.	Kudiyashola No. III	26	..	..	..
		No. 146, Rev., dated 16th February 1903.	Kattu Kaduodeola No. I ..	5	..	..	..
		Do.	Do. No. II ..	8	..	..	..
		Do.	Sundatti addition	35	..	..	..
		Do.	Neralimara No. I	9	..	..	..
		Do.	Nedugula addition	113	..	..	..
		Do.	Denad addition No. II ..	43	..	..	..
		No. 148, Rev., dated 16th February 1903.	Kundah addition No. V ..	198	..	..	..
		Do.	Woodcock shola	26	..	..	..
		No. 160, Rev., dated 17th February 1903.	Denad addition No. III ..	76	..	..	..
		Do.	Kannarihodai	7	..	..	..
		No. 186, Rev., dated 23rd February 1903.	Toluemmayatti	20	..	..	..
		Do.	Seven mile tope	2	..	..	..
		Do.	Curzon valley Block No. IV ..	223	..	..	..
		Do.	Neralimara No. II	2	..	..	..
		Do.	Kunnavara reserve No. III ..	6	..	..	..
		No. 189, Rev., dated 23rd February 1903.	Mandileru	64	..	..	..
		No. 190, Rev., dated 23rd February 1903.	Ullavanadmund shola No. II.	16	..	..	..
		Do.	Hadumund addition No. I ..	46	..	..	..
		Do.	Do. No. II ..	20	..	..	..
		Do.	Kadeola	28	..	..	..
		Do.	Pambare No. I	21	..	..	..
		Do.	Do. No. II	14	..	..	..
		No. 296, Rev., dated 18th March 1903.	Kukal valley	269	..	..	..
		No. 336, Rev., dated 26th March 1903.	Melkundah	20	..	..	..
		No. 395, Rev., dated 18th April 1903.	Turichibettu shola	57	..	..	..
		Do.	Pommanu	47	..	..	..
		No. 467, Rev., dated 7th May 1903.	Imbarahatti	2	..	..	..
		Do.	Sullikodu No. I	1	..	..	..
		Do.	Doddabetta addition No. I ..	54	..	..	..
			Total ..	1,473 acres or 2·3 sq. miles.	..	..	..

* This includes 4 square miles of unreserved land which it is proposed to be brought under chapter II of the Forest Act and is exclusive of 19 square miles of leased forests.

incurred on, Forest Settlements during 1902-1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Hale Someshwar	3	Aivarnad	3	..	..	319
New Someshwar	4	Adur	8	..	..	
Kalanjimali	5	Kaniyarmale	5	..	..	
Karadka	5	Kallapattamala	2	..	..	
Kunthur	6	Ballemane extension	‡ ..	..	..	
Virakhamba	3	Kodialmale	1	..	..	
Kilarmale	15	Kilarmale extension	‡ ..	..	..	
Narimogar	2	Subramania	11	..	..	
Vorwadi	1	Paikadamale	2	..	..	
Dondalarabi	2	....	..	..	..	
Kunthur extension	‡ ..	....	..	..	..	
Mandekole	12	....	..	..	..	
Total ..	58	Total ..	32	..	..	
Ladysmith	4	....	..	..	..	....
....	..	....	..	..	..	33
	ACRES.					
Illithorai	18	....	..	..	†	
Longwood	48	*Nil.*	..	..	1,300 13 6	....
Odesakadu	47	....	..	..	..	
Kalluru addition	151	....	..	..	..	
Alagiruhanni	22	....	..	..	..	
Sinnattu shola addition ..	308	....	..	..	..	
Sullikodu No. I	307	....	..	..	..	
Curzon valley block No. III ..	940	....	..	..	..	
Warbreccan	18	....	..	..	..	
Attakadu shola	72	....	..	..	..	
Addition to Hill grove ..	3	....	..	..	..	
Do. to Clyffe reserve ..	59	....	..	..	..	
Do. to Konakarai slopes.	157	....	..	..	..	
Koderu addition No. I ..	36	....	..	..	..	
Addition to Bettu reserve ..	135	....	..	..	..	
Do. to Neyyati reserve ..	43	....	..	..	..	
Denad reserve addition No. I.	125	....	..	..	..	
Uppatti shola	17	....	..	..	..	
Kodanad valley addition No. I.	75	....	..	..	..	
Do. No. II.	170	....	..	..	..	
Ullavanadmund shola No. I ..	46	....	..	..	..	
Madanad reserve addition ..	709	....	..	..	..	
Paravakadavu	679	....	..	..	..	
Bergani	1,053	....	..	..	..	
Mavada reserve addition No. III.	90	....	..	..	..	
Santhi	16	....	..	..	..	
Kodamalai	18	....	..	..	..	
Lady Canning's seat reserve ..	133	....	..	..	..	
Aduthorai reserve addition No. I.	35	....	..	..	..	
Aduthorai reserve addition No. II	58	....	..	..	..	
Cherambadi reserve addition No. II.	10	....	..	..	..	
Cherambadi reserve addition No. III.	10	....	..	..	..	
Masikadavu	19	....	..	..	..	
Total ..	5,627 acres or 8·79 sq. miles.		..	..	1,300 13 6	

† This amount includes also expenditure incurred on areas finally settled.
‡ Below one square mile.

Statement showing the Progress made in, and the Expenditure

Name of forest district.	Area already settled at commencement of year.	Areas finally settled during the year.					
		Number and date of Government Order according final sanction to the settlement.	Name of forest settled.	Area.	Expenditure incurred during the year on areas finally settled.		Entire cost per square mile of areas finally settled during the year.
					In forest accounts.	In other accounts.	
1	2	3	4	5	6	7	8
Southern							
	SQ. MLS.			SQ. MLS.			
North Coimbatore.	* 1,118	No. 1144, Revenue, dated 20th December 1902.	Kuyanur	§ ..	..	..	..
		No. 871, Revenue, dated 24th September 1902.	Yedaralli	205	..	..	..
		No. 1012, Revenue, dated 28th November 1902.	Tamarakarai	10	..	..	..
			Total ..	215	..	..	..
South Coimbatore.	† 661·96	....	....	..	..	..	..
Madura ..	609	....	....	..	..	..	..
			Total ..	..	..	..	..
Tinnevelly ..	431·171	No. 1052, dated 24th November 1902.	Aruguli tope	0·500	..	..	..
		No. 330, dated 25th March 1903.	Vaippar	4·123	..	..	..
			Total ..	4·623	..	..	..

* The increase is due to the correct area of the Vellamundi reserved forest as computed by the Superintendent Madras Survey.

† Includes Walayar reserved forest (4·71 square miles) transferred from South Malabar district in 1901–1902.

incurred on, Forest Settlements during 1902–1903—*cont.*

Areas undergoing settlement.						Estimate of areas in which settlement operations have not yet commenced.
At commencement of the year.		Taken in hand during the year.		Expenditure incurred during the year on areas undergoing settlement.		
Name of tract.	Area.	Name of tract.	Area.	In forest accounts.	In other accounts.	
9	10	11	12	13	14	15
Circle—cont.						
	SQ. MLS.		SQ. MLS.		RS. A. P.	SQ. MLS.
Madesishwara Malai	257	....	..	..	..	8
Hanūr	34	....	..	..	..	
Ullepalaiyam	6	....	..	..	..	
Barebetta	5	....	..	..	..	
Ennamangalam	6	....	..	..	..	
Nagalur	1	....	..	..	..	
Total ..	309	Total ..	..	..	..	
....	..	....	..	..	..	
Koviladi block	1	....	..	..	..	
Gundar valley extension ..	9	....	..	..	..	‡ 60
Total ..	10	Total ..	..	..	..	
Naranapuram block	0·439	Nadugani block	0·006	..	1,300 13 6	
		Valliyur block	0·945	..	..	
Total ..	0·439	Total ..	0·951	..	1,300 13 6	

‡ The area of the down country between Gundar valley extension and Travancore frontier.
§ Below one square mile.

Form No. 46.

Forest Department, Madras Presidency.

Record of Demarcation and Maintenance of Boundaries.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new work.	Expenditure on demarcation during the year. On repairs.
1	2	3	4	5	6	7	8	9	10
	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Northern Circle.									
Ganjám (*b*)	109	260	755	1,124	53	80	1,257	814	794 +(*m*) 263
Vizagapatam	3	252	138	393	107	..	500	75	..
Gódávari (*c*)	3	1,050	111	1,164	47	273	1,484	39	(*d*) 665
Kistna	159	14	1,386	1,559	..	..	1,559	1,857	78 (*d*) 679 — (*m*) 42
Kurnool	226	..	1,289	1,515	328	157	2,000	(*e*) 1,583	..
Bellary	70	40	1,551	1,661	46	..	1,707	404	74 —(*m*) 347
Anantapur	..	2	1,220	1,222	..	..	1,222	..	(*h*) 25
Total, Northern Circle ..	570	1,618	6,450	8,638	581	510	9,729	4,772	2,189
Central Circle.									
Cuddapah	35	15	3,426	3,476	18	..	3,494	(*h*) 216	20
Nellore	95	47 (*a*) 1,768	..	1,910	44	86	2,040	(*h*) 832	147 + (*m*) 1
Chingleput	..	449	474	923	..	..	923	8	(*d*) 897
North Arcot	..	37 2,186	138	2,361	.·.	44	2,405	..	(*g*) 192
South Arcot	18	166	2,023	2,207	155	..	2,362	(*h*) 845	32 + (*m*) 1
North Salem	10 (*a*) 21	30 (*a*) 881	308	1,250	72	39	1,361	67	88
South Salem (*i*)	7	72 (*a*) 866	222	1,167	20	5	1,192	20	168
Trichinopoly	45	(*a*) 366	540	951	269	26	1,246	767	3
Tanjore	..	..	79	79	..	.	79	..	..
Total, Central Circle ..	231	3,002 (*a*) 3,881	7,210	14,324	578	200	15,102	2,755	1,549
Southern Circle.									
South Canara	106	32	2,613	2,751	52	110	2,913	(*h*) 1,812	8 — (*m*) 7
North Malabar	2	..	581	583	527	2	1,112	..	(*j*) 185
South do.	45	2	121	168	27	112	307	372	85
The Nilgiris	69	76	1,245	1,390	36	250	1,676	(*h*) 1,309	895
North Coimbatore (*p*)	105	1	124	230	..	..	230	(*a*)&(*k*) 2,343	+(*m*) 4
South do. (*q*)	(*o*) 14	..	515	529	2	77	608	238	119 —(*m*) 119
Madura	5	(*a*) 512	1,021	1,538	30	140	1,708	253 (*l*) 600	+ (*m*) 1
Tinnevelly	50	4	502	556	26	17	599	(*l*) 750 (*n*) 1,036	49 — (*m*) 9
Total, Southern Circle ..	396	115 (*a*) 512	6,722	7,745	700	708	9,153	8,713	1,211
Grand Total, Presidency ..	1,197	4,735 (*a*) 4,393	20,382	39,707	1,859	1,418	33,984	16,240	4,949

N.B.—Boundaries include, besides the outer perimeter, the limits of enclosures of private or other lands within the forests, but not the limits of sub-divisions, such as blocks, compartments, coupes. The lengths of boundaries of forests finally notified should alone be shown in this return.

(*a*) Cleared by the subordinate forest establishment free of cost.

(*b*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due partly to the exclusion from Form No. 46 of the boundary of the Pondakal block as the same is not a reserved forest and partly to the rectification of boundaries of some blocks.

(*c*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due to the addition of 20 miles of the Rampa boundary during the year.

(*d*) Represents or includes cost of temporary establishment.

(*e*) Includes Rs. 207 spent on demarcation of the enclosures in reserves under settlement and Rs. 43 in cutting coupe lines.

(*g*) Includes cost of rectification of boundaries.

(*h*) Includes cost of erecting cairns.

(*i*) The discrepancy between the total of columns 3 and 4 of Form No. 46 and column 5 of the previous year's return is reported to be due to the adoption of correct figures in the return for the year under report.

(*j*) Amount reported to have been spent on the demarcation of part of the external boundary of Padri reserve.

(*k*) Includes also cost of cutting block lines.

(*l*) Represents or includes amount spent in demarcating coupe lines of working circles.

(*m*) Added or deducted as per Accountant-General's audited figures.

(*n*) Cost of demarcating the boundaries of certain coffee estates within the interior of certain reserves.

(*o*) Coupe lines of working circles. This figure has been taken from abstract G in the District report.

(*p*) The correct total of column 5 of the previous year's return is reported to be 125 and not 133.

(*q*) The correct total of column 5 of the previous year's return is reported to be 515 and not 517.

FORM No. 47.

Forest Department, Madras Presidency.

STATEMENT of Forest Areas surveyed and under survey during the year 1902–1903.

Districts.	Areas surveyed and under survey during the year 1901–1902. Special Surveys—Maps on 4-inch scale or over by Survey of India Department or Madras Survey. With interior details. With details of growing stock. Previous.	Of year.	Without details of growing stock. Previous.	Of year.	Total cost.	Boundary surveys. Pre-vious.	Of year.	Total cost.	Ordinary, included in district surveys. With interior details. With details of growing stock. Previous.	Of year.	Without details of growing stock. Previous.	Of year.	Total cost.	Boundary surveys. Previous.	Of year.	Total cost.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.
Ganjám	..	..	..	..	..	..	284	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gódávari	..	..	..	..	..	..	161	..	..	..	..	..	..	..	..	..
Kistna	..	..	..	..	..	482	..	..	18	..	351	52	47	678	118	137
Kurnool	..	..	1,886	476	1,33,335	1,015	..	..	..	..	..	..	..	..	..	..
Bellary	..	..	..	..	..	..	..	..	..	..	569	..	..	..	..	..
Anantapur	..	..	168	..	..	..	..	..	..	..	188	..	..	..	..	..
Total, Northern Circle ..	..	..	2,054	476	1,33,335	1,497	445	..	18	..	1,108	52	47	678	118	137
Central Circle.																
Cuddapah	..	..	1,773	575	(c) 17,700	897	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	..	..	1,194	..	..	..	..	..	..	..	..	..	..	..	..	..
South "	..	..	217	..	(e) 8,829	82	..	..	..	..	(f) 441	..	..	..	..	..
North Salem	..	..	789	..	..	..	..	..	..	..	21	..	..	..	..	..
South "	..	..	681	..	..	..	..	..	..	..	..	..	..	..	(g) 49	..
Trichinopoly	..	..	66	..	25,000	9	..	..	..	..	..	..	..	149	..	..
Tanjore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Central Circle ..	..	..	4,720	575	51,529	988	..	..	..	..	462	..	..	149	49	..
Southern Circle.																
South Canara	..	..	493	250	(c)28,000	461	93	..	..	..	..	..	..	..	..	..
North Malabar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
South "	7	..	46	..	..	..	..	..	..	..	2	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Coimbatore.. ..	..	..	1,880	111	..	299	..	..	10,050	..	..	..	..	..	..	..
South "	..	..	657	..	..	..	..	..	..	..	5	..	..	..	..	..
Madura	..	..	610	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevelly	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Southern Circle ..	7	..	3,686	361	(c)28,000	760	93	..	10,050	..	7	..	..	..	..	..
Grand Total, Reserved Forest	7	..	10,460	1,412	2,12,864	3,245	538	..	10,068	..	1,577	52	47	827	167	137

Statement of Forest Areas surveyed and under survey during the year 1901–1902—*cont.*

District	Areas surveyed and under survey during the year 1901–1902—*cont.*								Areas remaining to be taken under survey.	Total reserved forest area at end of year, as per Form No. 44.	Cost.		
	Chain and compass or other surveys by local officers.												
	With interior details.					Boundary surveys.							
	4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of year.	Total cost.			Previous.	Of year.	Entire cost of all surveys to end of the year.
	Previous.	Of year.	Previous.	Of year.									
	18	19	20	21	22	23	24	25	26	27	28	29	30
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS.	L. MLS.	L. MLS.	RS.	SQ. MLS.	SQ. MLS.	RS.	RS.	RS.
Ganjám	23	30	..	..	79	953	65	590	..	538	13,855	632	14,487
Vizagapatam	..	29	..	..	..	..	..	..	..	345	1,023	676 + (m) 1	1,700
Gódávari	..	1	..	18	..	423	..	360	585	1,027	4,173	(a) 1,569 + (m) 1	5,743
Kistna	4	..	..	..	..	177	..	..	..	1,003	14,352	(b) 1,371	15,723
Kurnool	5	..	..	..	254	126	..	1,713	309	2,676	1,12,802	(c) 19,180	1,31,982
Bellary	..	..	..	..	..	..	..	..	..	636	..	+ (m) 961	961
Anantapur	154	..	..	..	..	..	..	..	..	510	..	+ (m) 369	369
Total, Northern Circle ..	186	60	..	18	333	1,679	65	2,663	894	6,735	1,46,205	24,760	1,70,965
Central Circle.													
Cuddapah	..	..	..	..	..	..	..	..	..	2,373	90,512	(c) 17,700	1,08,212
Nellore	..	..	..	..	..	..	..	..	..	748	576	672	1,248
Chingleput	..	..	..	..	..	..	..	..	..	214	..	476	476
North Arcot	97	..	..	..	..	..	..	..	..	1,291	16,956	(d) 387	17,343
South „	6	..	..	..	52	..	..	..	..	663	8,881	(d) 240	9,121
North Salem	..	..	..	..	..	3	..	..	..	924	16,677	1,004 + (m) 1	17,682
South „	..	..	..	..	..	5	..	192	54	735	16,677	+ (m) 383	17,060
Trichinopoly	1	..	..	..	..	..	..	..	90	315	25,000	+ (m) 360	25,360
Tanjore	19	..	..	..	..	..	..	..	..	19	..	..	..
Total, Central Circle ..	123	..	..	..	52	8	..	192	144	7,282	1,75,279	21,223	1,96,502
Southern Circle.													
South Canara	..	..	..	..	..	766	12	..	322	1,071	..	28,000	28,000
North Malabar	..	..	..	..	..	37	..	728	235	235	728	395	1,123
South „	..	..	..	..	..	184	..	..	211	266	1,305	342	1,647
The Nilgiris	..	..	..	..	..	..	..	..	..	498	..	386	386
North Coimbatore ..	..	..	..	..	..	..	..	..	..	1,650	76,973	327	77,300
South „ ..	..	..	..	..	..	..	..	..	..	662	..	2,078	2,078
Madura	..	..	..	..	..	..	..	..	..	619	..	79	79
Tinnevelly	..	..	..	..	..	..	..	..	..	437	..	483	483
Total, Southern Circle ..	..	..	..	..	..	987	12	728	768	5,438	79,006	32,090	1,11,096
Grand Total, Reserved Forest	309	60	..	18	385	2,674	77	3,583	1,806	19,455	4,00,490	78,073	4,78,563

(*a*) Includes salaries of establishment and cost of surveying.
(*b*) Includes cost of establishment, viz., Rs. 1,187.
(*c*) Inclusive of the cost of triangulation and traversing.
(*d*) Pay of draughtsman.
(*e*) This does not include the cost of 99 square miles information in regard to which is not available.
(*f*) The variation in the figure is reported to be due to the notification of two blocks as reserved forests.
(*g*) Represents maps prepared from Revenue Survey village maps
(*m*) Added as per Accountant-General's audited figures.

ANNUAL FORM NO. 48.

Forest Department, Madras Presidency.

PROGRESS made in working-plans during 1902–1903.

District.	Areas for which working-plans have been completed and approved by the Board. At commencement of year.	Areas for which working-plans have been completed and approved by the Board. During year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. At commencement of year.	Areas for which working-plans are being compiled or have been compiled but not sanctioned. Taken in hand during year.	Areas for which working-plans have still to be taken in hand.	Total forest area as in Form No. 44.	Entire cost per square mile of working-plans completed.	Remarks. *
1	2	3	4	5	6	7	8	9
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	RS. A. P.	RS.
Ganjám	..	(c) 17	..	336	185	538	..	485
Vizagapatam	21	..	..	154	170	345	..	..
Gódávari	(a) 50	350	40	6	581	1,027	..	170
Kistna	8	..	(b) 32	..	963	1,003	..	..
Kurnool	158	..	75	67	2,376	2,676	..	..
Bellary	12	..	134	70	420	636	..	..
Anantapur	..	..	..	206	304	510	..	..
Total ..	249	367	281	839	4,999	6,735	..	655
Central Circle.								
Cuddapah	3	..	..	..	2,370	2,373	..	1
Nellore	108	..	91	98	(b) 451	748	..	26
Chingleput	..	..	110	104	..	214	..	..
North Arcot	451	..	351	425	64	1,291	..	439
South Arcot	321	..	122	72	148	663	..	86
Salem (North)	93	..	66	409	356	924	..	..
Salem (South)	262	29	36	213	195	735	..	59
Trichinopoly	1	..	37	..	277	315	..	..
Tanjore	4	..	5	..	10	19	..	..
Total ..	1,243	29	818	1,321	3,871	7,282	..	611 + (f) 27
Southern Circle.								
South Canara	1	(g) 661	..	..	(b) 409	1,071	..	1
North Malabar	..	179	..	..	56	235	..	31
South Malabar	34	..	..	..	232	266	..	26
The Nilgiris	16	..	..	..	(b) 482	498	56	..
North Coimbatore ..	375	..	..	48	1,227	1,650	(d)	..
South Coimbatore ..	234	..	..	..	428	662	..	..
Madura	356	..	..	..	263	619	..	..
Tinnevelly	86	(e) 163	..	9	179	437	..	..
Total ..	1,102	1,003	..	57	3,276	5,438	..	58 + (f) 37
Grand Total ..	2,594	1,399	1,099	2,217	12,146	19,455	..	1,324 + (f) 64

* The figures in column 9 represent the cost incurred during the year under the budget sub-head A-VIII (d) —"Working-plans".

(a) Revised working-plans in respect of Bandamurlanka and Kandikuppa plantations, covering an area of 2 square miles were sanctiond during the year. Hence this area is omitted in column 2 and included in column 3.

(b) Revised figure reported by Collector. In the case of Nellore, includes also an area of 104 square miles in Rapur taluk, for which goat-browsing schemes have been sanctioned.

(c) Two working-plans, viz., for Majjagodo and Kukuluba ranges and for Augustinowgam casuarina plantation, covering an area of 321 square miles were sanctioned by the Board during the year under report, but the Collector states that the former working-plan lays down detailed prescriptions for only a portion of the Sál forests of the Majjagodo range; the area of which is estimated to be 16 square miles. The area of the other working-plan is 1·09 square miles. Hence the area in column 3 is entered as 17 square miles.

(d) Done by the District Forest establishment free of cost.

(e) Besides this area, working-plans in respect of babul areas within the Tinnevelly, Ottappidáram and Srívaikuntam taluks in the district have been sanctioned during the year under report.

(f) Lump sum spent under the budget sub-head A-VIII (d) "Working-plans" (Direction).

(g) Four working-plans covering an area of 736 square miles have been sanctioned during the year but the Collector reports that his figure may be accepted pending the receipt of area figures from the survey of India which figure, it is reported by the District Forest Officer, cannot be furnished until the Mysore-South Canara boundary is demarcated and surveyed.

ANNUAL.

Forest Department,

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Northern
		RS.		MLS.	RS.	RS.
Direction ..	....	..	....	..	..	..
Ganjám ..	(*b*) Rest-houses	764	(*a*) Cart-roads	..	50	
	(*c*) Houses for subordinate establishments	25	(*b*) Bridle-paths	7	35	
	(*d*) Others	105				
	Total, Ganjám ..	894	Total ..	7	85	979
Vizagapatam.	(*b*) Rest-houses	699	....	..	..	
	(*c*) Houses for subordinate establishments	99				
	Total, Vizagapatam ..	798	Total ..	..	..	798
Gódávari ..	(*a*) Head-quarter houses ..	1,950	(*a*) Cart-roads	6	773	
	(*b*) Rest-houses	9	(*b*) Bridle-paths	9	2,893	
	(*d*) Others	9				
	Total, Gódávari ..	1,968	Total ..	15	3,666	5,634
Kistna ..	(*d*) Others	25	(*b*) Cart-roads	9	543	
	Total, Kistna ..	25	Total ..	9	543	568
Kurnool ..	(*b*) Rest-houses	967	(*a*) Cart-roads	5	1,360	
	(*c*) Houses for subordinate establishments	94				
	(*d*) Others..	790				
	Total, Kurnool ..	1,851	Total ..	5	1,360	3,211
Bellary ..	....	..	(*a*) Cart-roads	2	125	
	Total, Bellary ..	..	Total ..	2	125	125

FORM No. 49.

Madras Presidency.

and Buildings.

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	60	(*b*) Bridle paths	..	74	134
Total ..	60	Total ..	..	74	134
(*a*) Head-quarter houses	205	(*a*) Cart-roads	14	251	1,893
(*b*) Houses for subordinate establishments	44				
(*d*) Others	1,393	Add A-VII (*c*) ..	..	..	153
Total ..	1,642	Total ..	14	251	2,046
(*a*) Head-quarter houses	30	(*a*) Cart-roads	..	1	..
(*b*) Rest-houses	94	(*b*) Bridle-paths	..	52	..
(*c*) Houses for subordinate establishments	91		..	53	356
(*d*) Others	88	Add A-VII (*c*) ..	..	..	36
Total ..	303	Total ..	..	53	392
(*b*) Rest-houses	357	(*a*) Cart-roads	..	13	..
(*c*) Houses for subordinate establishments	10	(*b*) Bridle-paths	..	190	..
(*d*) Others	161	(*e*) Others	..	5	..
	528		..	208	2,146
Add pay of watchers	1,410	Add A-VIII (*c*) ..	..	..	1,751
Total ..	1,938	Total ..	..	208	3,897
(*a*) Head-quarter houses	147	(*a*) Cart-roads	7	316	..
(*b*) Rest-houses	161	(*b*) Bridle-paths	..	30	..
(*d*) Others	5				
	313		7	346	910
Add pay of temporary establishments.	251	Add A-VII (*c*) ..	..	..	990
Total ..	564	Total ..	7	346	1,900
(*a*) Head-quarter houses	190	(*a*) Cart-roads	..	284	2,054
(*b*) Rest-houses	1,038				
(*d*) Others	132		..	284	2,338
	1,360				
Add pay of temporary establishments ..	694	Add A-VII (*c*) ..	..	..	447
Total ..	2,054	Total ..	..	284	2,785
(*a*) Head-quarter houses	4	(*a*) Cart-roads	2	21	61
(*b*) Rest-houses	5				
(*d*) Others	26		2	21	82
	35	Add A-VII (*c*) ..	..	..	14
Add pay of temporary establishments ..	26				
Total ..	61	Total ..	2	21	96

Communications

District.	New works undertaken during the year. Buildings. Description of building.	Expenditure incurred.	Roads and paths. Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expenditure on new work.
1	2	3	4	5	6	7
Northern						
		RS.		MLS.	RS.	RS.
Anantapur ..	(b) Rest-houses	834	(a) Cart-roads	1	9	..
	Total, Anantapur ..	834	Total ..	1	9	843
Total, Northern Circle.	(a) Head-quarter houses ..	1,950	(a) Cart-roads	23	2,860	..
	(b) Rest-houses	3,273	(b) Bridle-paths	16	2,928	..
	(c) Houses for subordinate establishments	218				
	(d) Others	929				
	Total, Northern Circle ..	6,370	Total ..	39	5,788	12,158
Central						
Direction ..	....	..	....	..	..	..
Cuddapah ..	(b) Rest-houses	12	....	..	..	175
	(c) Houses for subordinate establishments	163	....	..	..	..
	Total, Cuddapah ..	175	Total ..	..	..	175
Nellore ..	(a) Head-quarter houses ..	747	....	..	..	1,059
	(b) Rest-houses	302				
	(d) Others	10				
	Total, Nellore ..	1,059	Total ..	..	..	1,059
Chingleput ..	(b) Rest-houses	22	....	..	..	217
	(c) Houses for subordinate establishments	195				
	Total, Chingleput ..	217	Total ..	..	..	217
North Arcot ..	(a) Head-quarter houses ..	..	(a) Cart-roads	2	168	..
	(b) Rest-houses	149	(b) Bridle-paths	3	28	..
	(c) Houses for subordinate establishments	102				
	(d) Others	417				
	Total, North Arcot ..	668	Total ..	5	196	864

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	490	....	..	..	1,338
(*b*) Rest-houses	61	Add A.VII (*c*)	..	..	15
	551				
Add pay of temporary establishments	787				
Total ..	1,338	Total ..	..	..	1,353
(*a*) Head-quarter houses	1,126	(*a*) Cart-roads	23	886	..
(*b*) Rest-houses	1,760	(*b*) Bridle-paths	..	346	..
(*c*) Houses for subordinate establishments	101	(*c*) Others	..	5	..
(*d*) Others	1,805				
	4,792		23	1,237	9,197
Add pay of temporary establishments ..	3,168	Add A-VII (*c*) ..	..	..	3,406
Total ..	7,960	Total ..	23	1,237	12,603
Circle.					
(*a*) Head-quarter houses	12	....	..	..	..
Total ..	12	Total ..	..	..	12
(*a*) Head-quarter houses	141	....	..	..	562
(*b*) Rest-houses	47	Add A-VII (*c*) ..	..	..	33
(*c*) Houses for subordinate establishments	45				
(*d*) Others	66				
	299				
Add pay of temporary establishments	263				
Total ..	562	Total ..	..	..	595
(*b*) Rest-houses	77	....	..	..	231
		Add A-VII (*c*) ..	..	..	376
Add pay of temporary establishments.	154				
Total ..	231	Total ..	..	..	607
(*a*) Head-quarter houses	62	....	..	..	335
(*b*) Rest-houses	208	Add A-VII (*c*) ..	..	..	45
(*c*) Houses for subordinate establishments	4				
(*d*) Others	5				
	279				
Add pay of temporary establishment.	56				
Total ..	335	Total ..	..	..	380
(*a*) Head-quarter houses	50	(*a*) Cart-roads	320	4,332	..
(*b*) Rest-houses	1,194	(*b*) Bridle-paths	5	44	..
(*c*) Houses for subordinate establishments	..		325	4,376	6,711
(*d*) Others	95	Add A-VII (*c*) ..	..	..	182
	1,339				
Add pay of temporary establishments.	996				
Total ..	2,335	Total ..	325	4,558	6,893

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
						Central
		RS.		MLS.	RS.	RS.
South Arcot ..	....	..	....	..	..	..
	Total, South Arcot ..	..	Total ..	..	..	..
North Salem ..	(b) Rest-houses	184	(a) Cart-roads	..	1,529	..
	Total, North Salem ..	184	Total ..	..	1,529	1,713
South Salem ..	(a) Head-quarter houses ..	..	(a) Cart-roads	..	145	..
	(b) Rest-houses	..				
	(c) Houses for subordinate establishments	434				
	(d) Others	4				
	Total, South Salem ..	438	Total ..	..	145	583
Trichinopoly ..	(b) Rest-houses	71	....	..	..	..
	(c) Houses for subordinate establishments	10				
	(d) Others	25				
	Total, Trichinopoly ..	106	Total ..	..	..	106
Tanjore ..	....	..	....	..	..	..
	Total, Tanjore ..	..	Total ..	..	..	..
Total, Central Circle.	(a) Head-quarter houses ..	747	(a) Cart-roads	2	1,842	..
	(b) Rest-houses	740	(b) Bridle paths	3	28	..
	(c) Houses for subordinate establishments	904				
	(d) Others	456				
	Total, Central Circle ..	2,847	Total ..	5	1,870	4,717
						Southern
South Canara.	(a) Head-quarter houses ..	370				
	(b) Rest-houses	801				
	(c) Houses for subordinate establishments	291				
	Total, South Canara ..	1,462	Total ..	..	..	1,462
North Malabar.	....	..	(a) Roads and bridges	1	1,143	..
	Total, North Malabar ..	..	Total ..	1	1,143	1,143
South Malabar.	(a) Head-quarter houses ..	2,155	(b) Bridle-paths	8	261	3,596
	(b) Rest-houses	1,180				
	Total, South Malabar ..	3,335	Total ..	8	261	3,596
The Nilgiris ..	(a) Head-quarter houses ..	843				
	(b) Rest-houses	140				
	(c) Houses for subordinate establishments	1,003				
	(d) Others	50				
	Total, The Nilgiris ..	2,036	Total ..	..	..	2,036

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(*a*) Head-quarter houses	7	(*b*) Bridle-paths	7	253	694
(*b*) Rest-houses	129				
(*d*) Others	5				
	141		7	253	694
Add pay of temporary establishment ..	300	Add A-VII (*c*) ..	..	..	1
Total ..	441	Total ..	7	253	695
(*a*) Head-quarter houses	30	....	..	..	47
(*b*) Rest-houses	17	Add A-VII (*c*) ..	..	..	198
Total ..	47	Total ..	..	..	245
(*a*) Head-quarter houses	24	(*a*) Cart-roads	..	680	947
(*b*) Rest-houses	114				
(*d*) Others	129				
		Add A-VII (*c*) ..	..	..	109
Total ..	267	Total ..	..	680	1,056
(*b*) Rest-houses	128	....	..	..	128
Total ..	128	Total ..	..	..	128
(*b*) Rest-houses	3	....	..	..	3
Total ..	3	Total ..	..	..	3
(*a*) Head-quarter houses	326	(*a*) Cart-roads	320	5,012	..
(*b*) Rest-houses	1,917	(*b*) Bridle-paths	12	297	..
(*c*) Houses for subordinate establishments	49				
(*d*) Others	300				
	2,592		332	5,309	9,670
Add pay of temporary establishment.	1,769	Add A-VII (*c*) ..	..	..	944
Total ..	4,361	Total ..	332	5,309	10,614
Circle.					
(*a*) Head-quarter houses	81	(*a*) Cart-roads	9	43	379
(*b*) Rest-houses	17				
(*d*) Others	166				
	264				
Add pay of temporary establishment.	72	Add A-VII (*c*) ..	..	..	8
Total ..	336	Total ..	9	43	387
(*a*) Head-quarter houses	446	(*a*) Cart-roads	96	2,611	1,226
(*b*) Rest-houses	780				
			96	2,611	3,837
		Add A-VII (*c*) ..	..	..	129
Total ..	1,226	Total ..	96	2,611	3,966
(*a*) Head-quarter houses	154	(*a*) Cart-roads	21	842	..
(*b*) Rest-houses	209	(*b*) Bridle-paths	62	165	..
(*c*) Houses for subordinate establishments	249		83	1,007	1,619
		Add A-VII (*c*) ..	..	..	729
Total ..	612	Total ..	83	1,007	2,348
(*d*) Others	846	(*a*) Cart-roads	64	991	..
			64	991	1,837
		Add A-VII (*c*) ..	..	..	103
Total ..	846	Total ..	64	991	1,940

Communications

District.	New works undertaken during the year.					
	Buildings.		Roads and paths.			Total expenditure on new work.
	Description of building.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	
1	2	3	4	5	6	7
			Southern			
		RS.		MLS.	RS.	RS.
North Coimbatore.	(*b*) Rest-houses	3,538	(*a*) Cart-roads	27	9,588 (b)—1,500	.. ..
	(*d*) Others	892 (*a*)—148	(*b*) Bridle-paths	15	2,171	..
	Total, North Coimbatore ..	4,282	Total ..	42	10,259	14,541
South Coimbatore.	(*a*) Head-quarter houses ..	394	(*c*) Others	2	114	..
	(*c*) Houses for subordinate establishments	5,783				
	(*d*) Others	1,054				
	Total, South Coimbatore ..	7,231	Total ..	2	114	7,345
Madura ..	(*a*) Head-quarter houses ..	372	(*a*) Cart-roads	25	33 (*c*)+117	.. ..
	(*b*) Rest-houses	1,825				
	Total, Madura ..	2,197	Total ..	25	150	2,347
Tinnevelly ..	(*b*) Rest-houses	2,440	(*c*) Others	..	93	2,895
	(*c*) Houses for subordinate establishments	303				
	(*d*) Others	59				
	Total, Tinnevelly ..	2,802	Total ..	..	93	2,895
Total, Southern Circle.	(*a*) Head-quarter houses ..	4,134	(*a*) Cart roads	53	9,381	..
	(*b*) Rest-houses	9,924	(*b*) Bridle-paths	23	2,432	..
	(*c*) Houses for subordinate establishments	7,380	(*c*) Others	2	207	..
	(*d*) Others	1,907				
	Total, Southern Circle ..	23,345	Total ..	78	12,020	35,365
Grand Total, Presidency.	(*a*) Head-quarter houses ..	6,831	(*a*) Cart roads	74	14,083	
	(*b*) Rest-houses	13,937	(*b*) Bridle-paths	46	5,388	
	(*c*) Houses for subordinate establishments	8,502	(*c*) Others	2	207	
	(*d*) Others	3,292				
	Total, Presidency ..	32,562	Total ..	122	19,678	..

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) Recovered from Deputy Ranger C. Venkatasubbiah on account of bad work done by him in respect of the construction of a cart-track from Kempanayakanpalaiyam to Ekkattur.

(*c*) Pay of road watchers.

and Buildings—*cont.*

Repairs executed during the year.					
Buildings.		Roads and paths.			Total expended on repairs.
Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	
8	9	10	11	12	13
Circle—cont.					
	RS.		MLS.	RS.	RS.
(a) Head-quarter houses	760	(a) Cart-roads	..	669	..
(b) Rest-houses	332	Add pay of road maistries and road coolies	..	5,788	..
(d) Others	762				
	1,854		..	6,457	8,766
Add pay of watchers ..	455	Add A-VII (c) ..	..	..	525
Total ..	2,309	Total ..	..	6,457	9,291
(a) Head-quarter houses	770	(a) Cart-roads	28	2,137	..
(b) Rest-houses	859	(b) Bridle-paths	9	91	..
(c) House for subordinate establishments	5	(c) Others	..	137	..
(d) Others	121				
			37	2,365	4,120
		Add A-VII (c) ..	..	..	3,649
Total ..	1,755	Total ..	37	2,365	7,769
(a) Head-quarter houses	185		..	..	1,035
(b) Rest-houses	484	Add A-VII (c) ..	..	..	261
(c) Houses for subordinate establishments	8				
	677				
Add pay of watchers ..	358				
Total ..	1,035	Total ..	..	..	1,296
(a) Head-quarter houses ..	68	(a) Cart-roads	89	2,951	..
(b) Rest-houses	530	(b) Bridle-paths	22	955	..
(c) Houses for subordinate establishments	88				
(d) Others	51				
			111	3,906	4,643
		Add A-VII (c) ..	..	..	52
Total ..	737	Total ..	111	3,906	4,695
(a) Head-quarter houses	2,464	(a) Cart-roads	298	*16,032	..
(b) Rest-houses	3,211	(b) Bridle-paths	93	1,211	..
(c) Houses for subordinate establishments	350	(c) Others	..	137	..
(d) Others	1,946				
	7,971		391	17,380	..
Add pay of watchers ..	885				
			391	17,380	26,236
		Add A-VII (c) ..	..	..	5,456
Total ..	8,856	Total ..	391	17,380	31,692
(a) Head-quarter houses	3,916	(a) Cart roads	641	21,930	..
(b) Rest-houses	6,888	(b) Bridle-paths	105	1,854	..
(c) Houses for subordinate establishments	500	(c) Others	..	142	..
(d) Others	4,051				
Total ..	15,355	Total ..	746	23,926	45,103
Add pay of watchers ..	5,822	Add A-VII (c) ..	..	..	9,806
Grand Total ..	21,177	Grand Total ..	746	23,926	54,909

* Includes pay of road maistries and road coolies in the North Coimbatore Division.

ANNUAL FORM No. 50.

Forest Department, Madras Presidency.

REGISTER of Breaches of Forest Rules during 1902–1903.

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
							Northern Circle.								
Ganjám ..	.. A	(a) 73	12	196	44	8	260	333	180	435	34	158	214 * 56	593 * 194	63
	B	(a) 19	..	83	23	6	112	131	117	327	..	..	117	327	14
	C	..	..	39	..	..	39	..	..	..	..	..	..	..	..
	Total ..	92	12	318	67	14	411	464	297	762	34	158	331 * 56	920 * 194	77
Vizagapatam ..	A	27	5	42	7	2	56	83	76	225	1	1	77	226	6
	B	76	5	321	90	23	439	515	434	1,572	..	..	434 * 34	1,572 * 48	47
	C	..	1	..	..	..	1	..	..	..	..	..	..	..	..
	Total ..	103	11	363	97	25	496	598	510	1,797	1	1	511 * 34	1,798 * 48	53
Gódávari (b) ..	A	(b) 37	6	147	51	24	228	265	196	438	19	67	215 * 2	505 * 8	48
	B	(b) 51	2	221 (c) 2	61	31	315 (c) 2	366 (c) 2	211	454	..	..	211 * 133 * (c) 2	454 * 348 * (c) 4	22
	C	..	12	7	..	1	20	..	..	..	..	..	..	..	..
	Total ..	88	20	375 (c) 2	112	56	563 (c) 2	631 (c) 2	407	892	19	67	426 * 135 * (c) 2	959 * 356 * (c) 4	70
Kistna ..	.. A	47	..	20	24	6	50	97	77	305	4	18	81	323	16
	B	177	1	198	317	49	565	742	434	2,500	..	..	434 * 252	2,500 * 979	56
	C	..	13	20	72	5	110	..	..	..	..	..	..	..	..
	Total ..	224	14	238	413	60	725	839	511	2,805	4	18	515 * 252	2,823 * 979	72

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(a) The closing balances under items A and B in column 15 of the previous year's return was 43 and 49 respectively. Of these 30 cases were transferred from B to A.

(b) The variations in the figures between the closing balance of the previous year's return and the opening balance of that of the year under report are due to transfers between the heads A and B.

(c) Drift wood cases.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern Circle—cont.															
Kurnool ..	A	(a) 123	..	289	334	116	739	862	518	1,303	46	165	564 * 39	1,468 * 112	259
	B	(a) 43	..	160	128	149	437	480	426	1,228	..	..	426 * 3	1,228 * 22	51
	C	..	..	17	1	3	21	..	..	..	..	..	..	..	..
	Total ..	166	..	466	463	268	1,197	1,342	944	2,531	46	165	990 * 42	2,696 * 134	310
Bellary ..	A	161	2	59	37	27	125	286	104	212	17	86	121 * 19	298 * 63	146
	B	65	1	425	529	63	1,018	1,083	818	2,210	..	..	818 * 176	2,210 * 778	89
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	226	3	484	566	90	1,143	1,369	922	2,422	17	86	939 * 195	2,508 * 841	235
Anantapur ..	A	39	..	140	95	20	255	294	217	733	41	216	258	949	36
	B	45	1	224	160	11	396	441	369	1,178	..	..	369 * 46	1,178 * 172	26
	C	..	28	..	2	..	30	..	..	..	..	..	..	..	..
	Total ..	84	29	364	257	31	681	735	586	1,911	41	216	627 * 46	2,127 * 172	62
Total, Northern Circle.	A	507	25	893	592	203	1,713	2,220	1,368	3,651	162	711	1,530 * 116	4,362 * 377	574
	B	476	10	1,634	1,308	332	3,284	3,760	2,809	9,469	..	..	2,809 * 646	9,469 * 2,351	305
	C	..	54	83	75	9	221	..	..	..	..	..	..	..	..
Grand Total, Northern Circle ..		983	89	2,610	1,975	544	5,218	5,980	4,177	13,120	162	711	4,339 * 762	13,831 * 2,728	879

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the orders of the District Forest-officer.

(a) The closing balance under items A and B in column 15 of the previous year's return was 96 and 70, respectively. Of these, 27 cases under item B were transferred to head A, during the year under report.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
						Central Circle.									
Cuddapah	A	101	9	175	148	13	345	446	352	1,018	46	234	398 * 11	1,252 * 53	37
	B	148	..	348	420	82	850	998	757	1,806	..	..	757 * 115	1,806 * 456	126
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	249	9	523	568	95	1,195	1,444	1,109	2,824	46	234	1,155 * 126	3,058 * 509	163
Nellore ..	A	125	..	137	595	12	744	869	716	1,194	39	154	755 * 6	1,348 * 7	108
	B	47	..	305	559	13	877	924	858	1,520	..	..	858	1,520	66
	C	..	..	15	76	11	102	..	..	..	..	..	..	..	..
	Total ..	172	..	457	1,230	36	1,723	1,793	1,574	2,714	39	154	1,613 * 6	2,868 * 7	174
Chingleput	A	(a) 61	..	87	25	6	118	179	117	456	15	45	132 * 41	501 * 98	6
	B	(a) 191	..	426	150	2	578	769	641	1,189	..	..	641 * 33	1,189 * 76	95
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	252	..	513	175	8	696	948	758	1,645	15	45	773 * 74	1,690 * 174	101
North Arcot	A	(b) 552	2	443	428	31	904	1,456	1,153	2,886	71	415	1,224 * 119	3,301 * 407	113
	B	(b) 192	1	784	932	56	1,773	1,965	1,629	3,616	..	..	1,629 * 107	3,616 * 278	229
	C	..	218	4	..	1	223	..	..	..	..	..	..	..	..
	Total ..	744	221	1,231	1,360	88	2,900	3,421	2,782	6,502	71	415	2,853 * 226	6,917 * 685	342

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(a) The closing balances under items A and B in column 15 of the previous year's return was 23 and 229 respectively; of these 38 cases under B were transferred to A.

(b) The closing balance under items A and B in column 15 of the previous year's return was 269 and 475 respectively; of these, 283 cases under head B were transferred to A.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year. Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.															
South Arcot	A	(a) 266	..	643	290	28	961	1,227	949	2,249	74	351	1,023 * 7	2,600 * 17	197
	B	(a) 360	..	1,237	1,011	78	2,326	2,686	1,995	3,999	..	..	1,995 * 227	3,999 * 445	464
	C	..	22	301	40	16	379	..	..	..	..	..	..	..	..
	Total ..	626	22	2,181	1,341	122	3,666	3,913	2,944	6,248	74	351	3,018 * 234	6,599 * 462	661
North Salem	A	114	3	143	81	25	252	366	222	565	31	97	253 * 43	662 * 94	70
	B	101	1	834	525	16	1,376	1,477	1,328	2,728	..	..	1,328	2,728	149
	C	..	..	13	8	..	21	..	..	..	..	..	..	..	..
	Total ..	215	4	990	614	41	1,649	1,843	1,550	3,293	31	97	1,581 * 43	3,390 * 94	219
South Salem	A	125	1	329	102	27	459	584	327	1,284	45	136	372 * 18	1,420 * 37	194
	B	131	..	799	330	7	1,136	1,267	979	2,801	..	..	979 * 56	2,801 * 206	232
	C	..	..	5	..	..	5	..	..	..	..	..	..	..	..
	Total ..	256	1	1,133	432	34	1,600	1,851	1,306	4,085	45	136	1,351 * 74	4,221 * 243	426
Trichinopoly	A	(b) 19	5	64	46	2	117	136	99	294	17	57	116	351	20
	B	(b) 132	..	574	505	35	1,114	1,246	1,102	2,457	..	..	1,102 * 40	2,457 * 128	104
	C	..	..	..	23	..	23	..	..	..	..	..	..	..	..
	Total ..	151	5	638	574	37	1,254	1,382	1,201	2,751	17	57	1,218 * 40	2,808 * 128	124

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(a) The closing balance under items A and B in column 15 of the previous year's return was 187 and 439, respectively; of these 79 cases under B were transferred to A.

(b) The closing balance under items A and B in column 15 of the previous year's return was 25 and 128; of these, 5 cases under B were transferred to A and 11 cases under A (including 2 withdrawn cases) to B during the year under report.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.	Cases pending from 1901–1902.	New cases of the year. Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Central Circle—cont.														
Tanjore .. .. A	(a) 13	..	18	19	4	41	54	46	85	7	11	53	96	1
Tanjore .. .. B	(a) 11	..	55	78	2	135	146	114	211	..	..	114 * 18	211 * 32	14
Tanjore .. .. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	24	..	73	97	6	176	200	160	296	7	11	167 * 18	307 * 32	15
Total, Central Circle. A	1,376	20	2,039	1,734	148	3,941	5,317	3,981	10,031	345	1,500	4,326 * 245	11,531 * 713	746
Total, Central Circle. B	1,313	2	5,362	4,510	291	10,165	11,478	9,403	20,327	..	..	9,403 * 596	20,327 * 1,621	1,479
Total, Central Circle. C	..	240	338	147	28	753	..	..	..	..	..	..	..	..
Grand Total, Central Circle ..	2,689	262	7,739	6,391	467	14,859	16,795	13,384	30,358	345	1,500	13,729 * 841	31,858 * 2,334	2,225
Southern Circle.														
South Canara .. A	(b) 49	9	106	24	64	203	252	106	233	37	132	143 * 74	365 * 179	35
South Canara .. B	(b) 38	2	251	39	50	342	380	320	659	..	..	320	659	60
South Canara .. C	..	1	33	3	11	48	..	..	..	..	..	..	..	..
Total ..	87	12	390	66	125	593	632	426	892	37	132	463 * 74	1,024 * 179	95
North Malabar .. A	2	..	1	..	2	3	5	3	3	..	..	3	3	2
North Malabar .. B	..	..	..	..	4	4	4	3	6	..	..	3 * 1	6 * 1	..
North Malabar .. C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	..	1	..	6	7	9	6	9	..	..	6 * 1	9 * 1	2

A. Cases taken into Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(*a*) The closing balance under items A and B in column 15 of the previous year's return was 8 and 16, respectively; of these 5 cases under B were transferred to A during the year under report.

(*b*) The closing balance under items A and B in column 15 of the previous year's return was 37 and 50 respectively; of these, 12 cases under item B were transferred to A during the year under report.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.		Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
			Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.															
South Malabar ..	A	..	..	8	..	..	8	8	4	24	..	..	4	24	4
	B	1	..	5	..	..	5	6	6	27	..	..	6	27	..
	C	..	..	1	..	..	1	..	..	..	..	..	..	..	..
	Total ..	1	..	14	..	..	14	14	10	51	..	..	10	51	4
The Nilgiris ..	A	25	14	54	42	22	132	157	116	305	19	90	135	395	22
	B	17	..	119	57	20	196	213	162	463	..	..	162	463	51
	C	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Total ..	42	14	173	99	42	328	370	278	768	19	90	297	858	73
North Coimbatore.	A	(a) 30	1	55	55	5	116	146	97	329	22	109	119 * 1	438 * 3	26
	B	(a) 9	..	88	60	9	157	166	98	326	..	..	98 * 56	326 * 178	12
	C	..	87	1	..	..	88	..	..	..	..	..	..	..	..
	Total ..	39	88	144	115	14	361	312	195	655	22	109	217 * 57	764 * 181	38
South Coimbatore..	A	18	1	94	39	42	176	194	150	437	15	97	165	534	29
	B	23	..	119	76	92	287	310	197	430	..	..	197 * 59	430 * 180	54
	C	..	..	..	14	..	14	..	..	..	..	..	..	..	..
	Total ..	41	1	213	129	134	477	504	347	867	15	97	362 * 59	964 * 180	83
Madura	A	(b) 185	..	135	71	3	209	394	202	881	37	222	239 * 42	1,103 * 123	113
	B	(b) 16	..	430	179	7	616	632	445	1,811	..	..	445 * 54	1,811 * 237	133
	C	..	..	2	..	..	2	..	..	..	..	..	..	..	..
	Total ..	201	..	567	250	10	827	1,026	647	2,692	37	222	684 * 96	2,914 * 360	246

A. Cases taken to Court. B. Cases compounded. C. Cases undetected. * Withdrawn under the District Forest-officer's orders.

(a) The closing balance under items A and B in column 15 of the previous year's return was 18 and 21 respectively; of these 12 cases under B were transferred to A.

(b) The closing balance under items A and B in column 15 of the previous year's return was 181 and 20 respectively; of these 4 cases under B were transferred to A.

Register of Breaches of Forest Rules during 1902–1903—*cont.*

District.	Cases pending from 1901–1902.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Un-authorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Southern Circle—cont.														
Tinnevelly .. A	14	4	26	34	1	65	79	68	117	7	10	75	127	4
Tinnevelly .. B	28	..	250	24	11	285	313	222	862	..	..	222 * 41	862 Not stated.	50
Tinnevelly .. C	..	..	9	75	7	91	..	..	..	..	..	..	..	..
Total ..	42	4	285	133	19	441	392	290	979	7	10	297 * 41	989	54
Total, Southern Circle. A	323	29	479	265	139	912	1,235	746	2,329	137	660	883 * 117	2,989 * 305	235
Total, Southern Circle. B	132	2	1,262	435	193	1,892	2,024	1,453	4,584	..	..	1,453 * 211	4,584 * 596	360
Total, Southern Circle. C	..	88	46	92	18	244	..	..	..	..	..	..	..	..
Grand Total, Southern Circle ..	455	119	1,787	792	350	3,048	3,259	2,199	6,913	137	660	2,336 * 328	7,573 * 901	595
Total, Presidency .. A	2,206	74	3,411	2,591	490	6,566	8,772	6,095	16,011	644	2,871	6,739 * 478	18,882 * 1,395	1,555
Total, Presidency .. B	1,921	14	8,258	6,253	816	15,341	17,262	13,665	34,380	..	..	13,665 * 1,453	34,380 * 4,568	2,144
Total, Presidency .. C	..	382	467	314	55	1,218	..	..	..	..	..	..	..	..
Grand Total, Presidency ..	4,127	470	12,136	9,158	1,361	23,125	26,034	19,760	50,391	644	2,871	20,404 * 1,931	53,262 * 5,963	3,699

A. Cases taken into court. B. Cases compounded. C. Cases undetected.

* Withdrawn under the District Forest-officer's orders.

APPENDIX.

Division.	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
	Details of prosecutions for offences by fire.					
Ganjám*	1 †	*Nil.*	Intentional	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to one month's rigorous imprisonment.
	2 †	4 sq. yds.	Careless	Do.	Do. do.	Sentenced to pay a fine of Rs. 3 each (three accused).
	3	½ acre.	Do.	Withdrawn	....	....
	4	....	Do.	Do.	....	....
	5	*Nil.*	Intentional	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to two weeks' rigorous imprisonment each (two accused).
	6	*Nil.*	Do.	Do.	Do. 21 (*c*) of do.	Sentenced to two weeks' rigorous imprisonment.
	7	320 acres.	Careless	Withdrawn	....	....
	8	3 ,,	Do.	Do.	....	....
	9	*Nil.*	Intentional	Convicted	Section 21 (*c*) of the Madras Forest Act.	First accused sentenced to a fine of Rs. 3 and the remaining four accused acquitted.
	10	9 sq. chains.	Do.	Do.	Do. 21 (*b*) of do.	First accused sentenced to a fine of Rs. 10 and the second acquitted.
	11	*Nil.*	Do.	Acquitted	....	....
	12	*Nil.*	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Six accused sentenced to seven days' rigorous imprisonment each.
	13	*Nil.*	Do.	Do.	Do. do.	Two accused sentenced to pay a fine of Re. 1 each.
	14	320 acres.	Intentional	Pending trial	....	....
	15	300 ,,	Do.	Do. further inquiry.	....	....
	16	60 ,,	Do.	Do. trial	....	....
Vizagapatam	1	2,560 ,,	Do.	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10, or in default, to suffer one month's rigorous imprisonment.
	2	....	Careless	Do.	Do. 21 (*c*) of do.	Two accused sentenced to pay a fine of Rs. 2 each.
	3	1,920 ,,	Do.	Acquitted	Do. 21 (*b*) of do.	....
	4	500 ,,	Do.	Convicted	Do. 21 (*c*) of do.	Six accused sentenced to pay a fine of Rs. 4 each.
	5	8 ,,	Intentional	Do.	Do. 21 (*c*) of do.	First and second accused sentenced to pay a fine of Rs. 15 each and the remaining six accused to pay a fine of Re. 1 each.
Gódávari	1	121 acres.	Careless	Pending	....	It is simply reported that in two of these cases conviction was secured, but the nature of punishment inflicted is not stated.
	2 & 3	Not known				
	4	6,500 acres.	Do.	Do.	....	....
	5	*Nil.*	Intentional	Do.	....	....
	6	2	Careless	Convicted	....	The nature of conviction not stated.
	7	*Nil.*	Do.	Do.	Section 21 of the Madras Forest Act.	Sentenced to pay a fine of Rs. 7 or, in default, to undergo rigorous imprisonment for a week.
	8	....	Intentional	Compounded	....	....
Kistna	1	10 acres.	Do.	Convicted	Section 21 of the Madras Forest Act.	Sentenced to four days' simple imprisonment.
Bellary	1	Unknown.	Careless	Withdrawn	....	....
	2	Do.	Do.	Acquitted	....	....
	3	Do.	Do.	Pending	....	....

* In cases Nos. 1, 5, 6, 9, 11, 12 and 13 where the area burnt is shown as *nil* the accused were either found in the forest with a lighted fire or in the act of setting fire, so that no appreciable area was actually burnt.

† Last year's pending cases.

Appendix—*cont.*

Division.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section to law under which convicted.	Amount of punishment.
Cuddapah	1	240 acres.	Intentional ..	6 accused acquitted.	....	....
	2	....	Do. ..	2 do. ..	....	....
	3	278 acres.	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to two months' rigorous imprisonment.
	4	....	Do. ..	Withdrawn ..	....	Withdrawn for want of evidence.
	5	206 acres.	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to two weeks' rigorous imprisonment.
	6	3,200 ,,	Do. ..	Pending	....	....
	7	12,000 ,,	Do. ..	Acquitted	....	....
	8	....	Do. ..	Convicted	Section 21 of the Madras Forest Act.	One accused; sentenced to fifteen days' rigorous imprisonment.
	9	....	Do. ..	Do.	Do. do.	Two accused; sentenced to fifteen days' rigorous imprisonment each.
	10	....	Do. ..	Do.	Do. do.	Four accused; sentenced to one month's rigorous imprisonment each.
	11	....	Do. ..	Do.	Do. do.	Two accused; sentenced to one month's rigorous imprisonment each.
	12	4,800 acres.	Do. ..	Do.	Do. do.	One accused convicted and sentenced to two months' rigorous imprisonment and four acquitted.
	13	1 acre.	Do. ..	Pending	Do. do.	....
North Salem	1	*Nil.*	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to two months' rigorous imprisonment.
	2	*Nil.*	Do. ..	Pending	....	....
South Salem	1	20 acres.	Do. ..	Convicted	Section 21 (*b*) of the Madras Forest Act.	First and third accused sentenced to suffer ten days' rigorous imprisonment each and the second accused to three weeks' rigorous imprisonment.
Trichinopoly	1	....	Do. ..	Do.	Section 26 (*b*) of the Madras Forest Act.	Two accused fined Rs. 16 each.
	2	....	Do. ..	Do.	Section 21 (*c*) of the Madras Forest Act.	Do. fined Rs. 5 each.
	3	....	Do. ..	Do.	Do. do.	Six accused fined Rs. 5 each.
	4	....	Do. ..	Do.	Do. do.	Five accused fined Rs. 5 each.
	5	....	Do. ..	Do.	Do. do.	Eight accused fined Rs. 5 each.
South Canara	1	13 acres.	Careless	Compounded ..	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 12.
	2	50 ,,	Do. ..	Convicted	Do. do.	
	3	15 ,,	Intentional ..	Acquitted	Do. do.	These cases were shown as pending at the close of the previous year.
	4	5 ,,	Careless	Do. ..	....	
	5	5 ,,	Do. ..	Compounded ..	Section 21 (*b*) of the Madras Forest Act.	
	6	6 ,,	Do. ..	Do.	Do. do. ..	....
	7	4 ,,	Do. ..	Pending	....	....
	8	30 ,,	Intentional ..	Do.	....	....
	9	1,000 ,,	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 14.
	10	75 ,,	Intentional ..	Do.	Do. do.	Do. of Rs. 15.
	11	4 ,,	Do. ..	Do.	Section 26 of the Forest Rules 11—15 ..	Do. of Rs. 8.
	12	4 ,,	Careless	Do.	Do. do.	Do. of Rs. 6.
	13	50 ,,	Do. ..	Do.	Do. do.	Sentenced to fifteen days' rigorous imprisonment.
	14	..	Intentional ..	Pending	....	....
	15	3 ,,	Do. ..	Withdrawn ..	....	....
	16	15 ,,	Careless	Pending	....	....

Division.	Details of prosecutions for offences by fire.					
	Serial number of fire.	Areas burnt.	Character of offence (whether careless or intentional).	Whether acquitted or convicted.	Section of law under which convicted.	Amount of punishment.
The Nilgiris	1	....	Careless	Acquitted	....	....
	2	¼ acre.	Intentional	Convicted	Section 21 (*c*) of the Madras Forest Act.	Fined Rs. 5, in default to suffer ten days' rigorous imprisonment.
	3	....	Do.	Pending	....	....
	4	....	Do.	Convicted	Section 21 (*c*) of the Madras Forest Act.	First accused sentenced to pay a fine of Rs. 10 and the second accused Rs. 3.
	5	....	Careless	Acquitted	....	....
	6	....	Intentional	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 10, in default to suffer one month's rigorous imprisonment.
	7	30 acres.	Careless	Acquitted	....	....
	8	20 ,,	Intentional	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to one month's rigorous imprisonment.
	9	....	Careless	Do.	Do. do.	Sentenced to pay a fine of Rs. 3.
	10	....	Do.	Do.	Do. do.	Sentenced to pay a fine of Rs. 3, in default to suffer seven days' rigorous imprisonment.
	11	10 ,,	Intentional	Do.	Do. do.	Two accused sentenced to one month's rigorous imprisonment each.
	12	4 ,,	Do.	Pending	....	....
	13	10 ,,	Do.	Convicted	Section 21 (*c*) of the Madras Forest Act.	Sentenced to pay a fine of Rs. 5 and to suffer one month's rigorous imprisonment.
	14	20 ,,	Careless	Pending	....	....
North Coimbatore	1	60 ,,	Intentional	Do.	....	....
South Coimbatore	1	....	Do.	Convicted	Section 21 (*d*) and (*f*) of the Madras Forest Act.	Sentenced to undergo two weeks' rigorous imprisonment.
Madura	3	Not known	Do.	Withdrawn	....	Shown as pending at the close of the previous year.
Tinnevelly	1	250 acres.	Careless	Convicted	Section 21 (*b*) of the Madras Forest Act.	Two accused fined Rs. 20 each. One of the accused appealed, but the sentence was confirmed.
	2	130 ,,	Intentional	Do.	Do. do.	The accused was fined Rs. 60.
	3	40 ,,	Do.	Do.	Do. do.	Fined Rs. 10.
	4	5,000 ,,	Do.	Do.	Do. do.	Sentenced to one month's rigorous imprisonment and to pay a fine of Rs. 50.

Annual Form No. 51.

Forest Department, Madras Presidency.

Area of Forest Tracts protected from Fire during 1902–1903.

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903.			Cost during the season.	Remarks.
				Area attempted to be protected.	Fires.	Actually protected.		
1	2	3	4	5	6	7	8	9
	Northern Circle.		ACS.	ACS.	ACS.	ACS.	RS.	
Ganjam—Special. Mojjaguda..	Gullery	1901 ..	540	2,346	343	2,003	198	
	Rambha	1903 ..	..	235	235	..	42	
	Baiballi	1903 ..	..	200	30	170	69	
	Darpangia	1903 ..	..	816	676	140	26	
	Dhimrijholi	1903 ..	..	392	6	386	47	
	Tiliki	1903 ..	..	640	7	633	58	
	Total, Mojjaguda ..	..	540	4,629	1,297	3,332	440	
Kukuluba ..	Brahmanasai	1901 ..	808	1,545	135	1,410	196	
	Chendragiri	1903 ..	..	4,500	154	4,346	347	
	Gogodo	1903 ..	..	3,100	450	2,650	127	
	Ambazora	1903 ..	..	2,000	..	2,000	70	
	Total, Kukuluba ..	..	808	11,145	739	10,406	740	
Buguda ..	Panchabhuthi	1903 ..	..	2,500	..	2,500	133	
	Kurcholi	1901 ..	1,268	800	4	796	78	
	Kriamba	1903 ..	..	8,000	550	7,450	326	
	Total, Buguda ..	..	1,268	11,300	554	10,746	537	
Suradá ..	Rogada	1903 ..	..	5,120	100	5,020	205	
	Mundapetta	1903 ..	..	2,560	3	2,557	130	
	Dabuki	1903 ..	..	1,200	8	1,192	54	
	Dowgam	1903 ..	..	2,000	2	1,998	83	
	Pippalaonka	1903 ..	..	4,480	13	4,467	178	
	Total, Suradá ..	..	..	15,360	126	15,234	650	
	Total, Special protection..	..	2,616	42,434	2,716	39,718	2,366	
Berhampur.	Ramaguda	1885 ..	7,955	7,955	28	7,927	42	
	Baniamari	1885 ..	4,028	4,030	40	3,990	42	
	South Mohiri	1885 ..	3,408	3,418	4	3,414	33	
	Total Berhampur ..	..	15,391	15,403	72	15,331	117	
Mojjaguda..	Tiliki	1889 ..	3,842	..	..	..	..	
	Dhimirijholi	1889 ..	5,436	..	..	..	..	
	Darpangia	1889 ..	5,744	..	..	..	..	
	Gullery	1889 ..	26,842	..	..	..	..	
	Kaliamba	1889 ..	8,793	..	..	..	9	
	Baiballi	1889 ..	9,778	..	..	..	..	
	Total, Mojjaguda ..	..	60,435	..	..	..	9	
Kukuluba ..	Gogodo	1890 ..	7,327	..	..	..	..	
	Chodiapalli	1891 ..	853	..	..	..	4	
	Chendragiri	1885 ..	16,550	..	..	..	..	
	Brahmanasai	1889 ..	5,573	..	..	..	..	
	Total, Kukuluba ..	..	30,303	..	..	..	4	
Buguda ..	Panchabhuthi	1889 ..	2,937	..	..	..	..	
	Kurcholi	1889 ..	2,755	..	..	..	..	
	Kriamba	1902 ..	1,765	..	..	..	..	
	Total, Bugada ..	..	7,457	..	..	..	..	
Surada ..	Dabuki	1890 ..	1,444	..	..	..	..	
	Dowgam	1889 ..	2,136	..	..	..	..	
	Pippalaponka	1889 ..	3,934	..	..	..	..	
	Total, Surada ..	..	7,514	..	..	..	..	
	Total, General ..	..	121,100	15,403	72	15,331	130	
	Total, Ganjam, Special and General.	..	123,716	57,837	2,788	55,049	2,496	

* Areas shown in column 5 are, for the most part, approximate, the survey of all the blocks not having been completed yet.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Vizagapatam.	Dharakonda	..	39,764	42,894	17,668	25,226		
	Senivaram	..	24,813	31,488	11,000	20,488		
	Sithakhandi	..	2,325	2,368	2	2,366		
	Arlova	..	80	4,318	..	4,318		
	Karaka	..	7,553	9,461	..	9,461		
	Madalammakonda.. ..	1900–1901.	3,175	3,600	..	3,600		
	Pedimikonda	..	3,227	3,227	..	3,227		
	Kodavatipudi	..	..	1,544	..	1,544	50 0 0	
	Kakarlakonda	..	..	1,924	..	1,924		
	Bodapalem	..	..	308	..	308		
	Venkatapuram	..	..	508	..	508		
	Peddapalli	1892 ..	9,077	9,077	..	9,077		
	Kadagandi	1900–1901.	11,064	..	..	..		
	Barnakonda	1900–1901.	13,431	..	..	..		
	Total, Vizagapatam ..	..	(*a*) 114,509	110,717	28,670	82,047	50 0 0	
Gódávari—General. Bhadrácha-lam range.	Dummagudem reserve ..	1887 ..	6,101	6,110	3	6,107	137	
	Arlagudem	1888 ..	6,136	6,136	..	6,136	151	
	Gogubaka	1887 ..	..	..	..	..	..	
	Total, Bhadráchalam ..	..	12,237	12,246	3	12,243	288	
Marrigudem range.	Repaka	1887 ..	7,000	7,000	..	7,000	140	
	Ramachandram	1887 ..	10,300	10,300	135	10,165	180	
	Tatlanka	1887 ..	11,983	12,000	95	11,905	180	
	Total, Marrigudem ..	..	29,283	29,300	230	29,070	500	
Rékapalle range.	Mattapalli	1887 ..	9,375	9,500	2,400	7,100	64	
	Rekapalle hills—							
	Compartment I ..	1901 ..	..	12,000	400	11,600		
	Compartments II to IX.	1903 ..	..	112,029	38,217	73,812	453	
	Compartment X ..	1902 ..	5,100	14,003	13,900	103		
	Pulusumamidi reserve forest.	1902 ..	4,417	4,520	1,360	3,160	33	
	Fire tracing compartment No. I of Rékapalli hills reserve.						378	
	Total, Rékapalle ..	..	18,892	152,052	56,277	95,775	928	
	Total, Sub-division ..	..	60,412	193,598	56,510	137,088	1,716	
Rajahmundry range.	Devancheruvu	1887 ..	2,051	2,051	..	2,051	..	
	Kodeda	1889 ..	1,280	1,280	..	1,280	16	
	Murari	1889 ..	700	700	..	700	16	
	Sudikonda	1887 ..	6,128	6,880	39	6,841	30	
	Tirumalayapalem.. ..	1887 ..	5,038	5,150	14	5,136	48	
	Mallavaram	1887 ..	7,515	7,600	60	7,540	32	
	Molleru	1887 ..	8,122	8,250	98	8,152	32	
	Lakkonda	1887 ..	12,304	13,104	3,040	10,064	63	
	Total, Rajahmundry ..	..	43,138	45,015	3,251	41,764	237	
Peddápuram range.	Thotapalli	1890 ..	2,150	2,150	2	2,148	32	
Yernagúdem range.	Jilugumalli	1898 ..	3,318	3,318	..	3,318	15	
	Beddadavole	1890 ..	14,928	15,000	209	14,791	42	
	Marlagudem	1890 ..	2,100	2,100	..	2,100	38	
	Barrinkalapadu	1898 ..	1,650	1,650	..	1,650	7	
	Fire tracing along the Hyderabad boundary.						4	
	Total, Yernagúdem ..	..	21,996	22,068	209	21,859	106	

(*a*) This is the total area that has been shown under General and Special protection in the District in column 7 of the previous year's return. This figure has been adopted in column 4, viz., the opening balance of this year's return.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Northern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Gódávari—*cont.* Ellore range.	Barrikonda	1888 ..	4,010	4,010	..	4,010	56	
	Bandameherla	1888 ..	5,200	5,200	..	5,200	70	
	Erraguntapalli	1888 ..	8,640	8,640	6	8,634	98	
	Fire tracing the boundaries of reserves I and III above.						16	
	Total, Ellore ..	..	17,850	17,850	6	17,844	240	
	Total for the Main division.	..	85,134	87,083	3,468	83,615	615	
	Grand Total, Gódávari ..	..	145,546	280,681	59,978	220,703	2,331	
Kistna—(Special) ..	Kondapalli Compartments II, III, IV, V, VI, IX, XI and XIV.	1884–85 ..	7,400	9,979	..	9,979	191	
	Tadepalli	1889–90 ..	2,287	300	125	175	6	
	Kondavid	1888–89 ..	12,757	2,100	42	2,058	23	
	Venkatayapalem reserve compartments I, II and III.	1894–95 ..	15,588	15,588	181	15,407	83	
	Bollapalli reserve, compartments 1 to 6 (*a*).	1885–86 ..	18,584	18,584	..	18,584	32	
	Gangalakunta	1890–91 ..	24,424	16,781	2,720	14,061	85	
	Pasvimula	1892–93 ..	10,158	8,963	..	8,963	23	
	Total, Special ..	..	91,198	72,295	3,068	69,227	443	
(General) ..	Kondapalli reserve and its Extension No. 1 (*b*). ..	..	13,047	11,968	..	11,968	..	
	Tadepalli	..	1,155	2,005	125	1,880	..	
	Kondavid	..	8,400	10,757	7	10,750	..	
	Venkatayapalem	..	24,978	24,978	..	24,978	..	
	Gangalakunta	..	..	878	..	878	..	
	Pasvemula	..	8,217	9,412	..	9,412	..	
	Total, General ..	..	55,797	59,998	132	59,866	..	
	Total, Kistna, Special and General.	..	146,995	132,293	3,200	129,093	443	
Kurnool ..	North and South Bairluti block.	1887 ..	6,652	17,152	14,900	2,252	235	
	"A" block	1889 ..	5,936	5,267	706	4,561	202	
	South Chelama	1891 ..	7,938	6,965	2,421	4,544	260	
	South Chelama Addition ..	1894 ..	4,019	5,378	5,086	292	38	
	Gummakonda	1893 ..	7,267	7,680	7,680	..	81	
	Diguvametta	1891 ..	785	785	..	785	64	
	Western Veligonda block.	1889 ..	17,360	17,780	648	17,132	66	
	Chelama Improvement felling blocks.	1895 ..	1,400	1,114	789	325	45	
	Fire tracing Railway line and Chelama house.	..	..	..	..	..	149	
	Gazulapalli Railway felling coupe.	1902 ..	..	* ..	..	..	48	
	Chelama Railway felling coupe.	1902 ..	265	1,016	975	41	23	
	Cumbum Railway felling coupes.	1902 ..	1,200	2,400	1,122	1,278	152	
	Jangambhave block ..	1891 ..	113	113	..	113	38	
	Gadedamadgu felling coupes.	1903 ..	..	108	..	108	5	
	North Dhone felling coupes.	1903 ..	..	716	300	416	13	
	Kamalapuram felling coupse.	1903 ..	..	94	70	24	2	
	Palerdam coupe	1903 ..	..	602	88	514	..	
	Total, Kurnool ..	..	52,935	67,170	34,785	32,385	1,421	
Bellary—Sandúr range.	Ramandrug	1883 ..	12,323	5,411	831	4,580	639	
	North-East range ..	1883 ..	7,418	2,680	1,624	1,056		
	Donimalai	1883 ..	4,245	1,112	..	1,112		
	Tornagal	1898–99 ..	50	..	..	..		
Adóni range.	Kuppigal	1892–93 ..	497	497	5	492		Abandoned.
	Tungabhadra	1892–93 ..	84	84	..	84		

* Area included in "A" block.

(*a*) This block was shown to have been under "General" protection in the previous year's return.

(*b*) This does not appear to have been shown under either special or general protection in last year's return.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Bellary—*cont.*	*Northern Circle—cont.*		ACS.	ACS.	ACS.	ACS.	RS.	
Bellary range.	Malapanagudi	1886–87 ..	1,060	1,060	..	1,060	639	
Kudligi range.	Chiribi (Main) (*a*).. ..	1899–1900.	4,380	..	..	..		
	Sivapuram	..	..	200	100	100		
Harpanahalli range.	Hyrada coupes	1899–1900.	1,116	1,116	1,116	..		
	Total, Bellary ..	..	31,173	12,160	3,676	8,484	639 —(*d*) 11	
Anantapur—(Special).	Muchukota	1884 ..	7,000	7,000	2	6,998	212	
	Kottakota	1884 ..	11,001	11,016	520	10,496	325	
	Total, Special ..	..	18,001	18,016	522	17,494	537	
(General).	Kojjepalli (*b*)	1889 ..	342	..	..	.	..	
	Durgam	1894 ..	3,640	3,640	..	3,640	42	
	Amagondapaliem	1884 ..	14,460	15,360	525	14,835	52	
	Gopidevarapalli	1891 ..	1,884	1,884	..	1,884	..	
	Nyalakota	1890 ..	12,153	12,156	7,957	4,199	28	
	Dokkalakonda	1898 ..	7,420	7,420	..	7,420	26	
	Guttur West	1887 ..	3,355	3,880	102	3,778	49	
	Kekathi	1898 ..	1,235	1,235	..	1,235	..	
	Iyyampalli	1903 ..	..	1,344	..	1,344	16	
	Anantapur (*b*)	1889 ..	129	..	..	..	..	
	Total, General ..	..	44,618	46,919	8,584	38,335	213	
	Total, Anantapur, Special and General.	..	62,619	64,935	9,106	55,829	750	
	Total, Northern Circle (special).	..	195,923	212,075	44,767	167,308	5,395	
	Total, Northern Circle (General).	..	481,570	513,718	97,436	416,282	2,724	
	Grand Total, Northern Circle.	..	677,493	725,793	142,203	583,590	8,119	
	Central Circle.							
Cuddapah (*c*) Pullampet range—Veligonda block.	Chiyyavaram reserve and extension.	1903 ..	..	30,702	4,232	26,470	438	
	Kodur reserve and extension.	1874 ..	7,440					
	Settigunta reserve ..	1871 ..	8,960					
Pullampet sub-block.	Seshachalam reserve ..	1867–73 ..	176,200	77,085	11,745	65,340	778	
Vayalpad sub-block.	Do. ..	1890–1903.		33,586	2,726	30,860	379	
Sidhout Palkonda block.	Palkonda reserve	1901 ..	25,300	12,420	370	12,050	217	
Cuddapah Palkonda block.	Do.			35,510	9,240	26,270	494	
Sidhout range.	Lankamalais ..	1883 ..	7,000	17,660	4,338	13,322	314	
Cuddapah range.	Do. ..			17,140	4,808	12,332	408	
Badvel range	Nallamalais	1883–85 ..	51,200	27,558	4,500	23,058	623	
Proddatur range.	Do.	1889–91–1903		34,000	15,495	18,505	382	
	Horsleykonda reserve ..	..	9,630	21,739	..	21,739	117	
	Nigidi reserve	..	14,000	27,770	3,200	24,570	116	
	Tsadukonda reserve ..	..	2,200	2,200	960	1,240	25	
	Thunukonda	1874 ..	1,048	..	..	..	11	
	Vattalur	1887 ..	2,880	..	..	..	13	
	Gandikotal	1883 ..	12,480	..	..	..	25	
	Yerrakonda and extension.	1899 ..	32,000	..	..	..	25	
	Upparapalle, Kodur, Reddipalli, Pullampet and Mittanudipalle plantations.	..	1,700	..	..	..	..	
	Total, Cuddapah ..	..	352,038	337,370	61,614	275,756	4,365	

(*a*) Abandoned. (*b*) Removed from the area of general protection during the year.

(*c*) The discrepancy between the closing balance of the previous year's return and the opening balance of the return for 1902–1903 has not been explained.

(*d*) Deducted as per Accountant-General's audited figures.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Nellore	Udayagiri Veligonda A and B blocks in Udayagiri range.	1883 ..	59,951	60,000	980	59,020	547	
Nellore	Rapur-Veligonda A and B blocks in Rapur range	1883 ..	27,940	30,720	440	30,280	426	
Nellore	Nandanavanam block and its extensions A and B and Vedullacheruvu or Kanigiri-Veligonda.	1883 ..	26,770	26,780	2,860	23,920	184	
Nellore	Udayagiri-Durgam hill and Karisakonda in Udayagiri range.	1902 ..	15,760	15,760	..	15,760	85	
Nellore	Udayagiri-Yerrakonda ..	1903 ..	..	14,080	..	14,080	139	
Nellore	Gundlakonda in Udayagiri range.	1903 ..	..	720	..	720	..	
	Total, Nellore ..	..	130,421	148,060	4,280	143,780	1,381	
Chingleput—Chingleput range.	Maiyur	1900–1901.	283	283	..	283	341	
Chingleput—Chingleput range.	Karunguli tope	1900–1901.	16	16	..	16		
Tiruvallúr range.	Kambakkam	1883–84 ..	15,829	15,879	301	15,578		
Tiruvallúr range.	Nagalapuram	1883–84 ..	9,602	9,632	..	9,632		
	Total, Chingleput ..	..	25,730	25,810	301	25,509	341	
North Arcot—(Special). Chittoor	Paradarani	1880 ..	13,402	8,897	110	8,787	40	
North Arcot—(Special). Chittoor	Irala A and B	1888 ..	12,505	12,531	144	12,387	86	
North Arcot—(Special). Chittoor	Chittaparai	1888 ..	4,250	4,250	20	4,230	32	
North Arcot—(Special). Chittoor	Cheelapalli (*a*)	1884 ..	1,166	..	..	..	4	
North Arcot—(Special). Chittoor	Mahimandalam	1888 ..	2,528	..	..	..	..	
North Arcot—(Special). Chittoor	Pachigunta	1888 ..	1,800	1,800	..	1,800	30	
North Arcot—(Special). Chittoor	Veerasettipalli (*a*) ..	1888 ..	7,287	..	..	..	8	
North Arcot—(Special). Chittoor	Puthalapat	1891 ..	3,077	3,077	..	3,077	22	
North Arcot—(Special). Chittoor	Parappumalai	1899 ..	2,227	2,227	..	2,227	45	
North Arcot—(Special). Chittoor	Tavanampalli	1899 ..	1,862	1,862	1	1,861	55	
North Arcot—(Special). Chittoor	Kinatipalli (*a*)	1884 ..	1,417	..	..	..	4	
	Total, Chittoor ..	..	51,521	34,644	275	34,369	326	
Chandragiri.	Napier	1880 ..	8,785	8,826	..	8,826	285	
Chandragiri.	Mamandur	1874 ..	1,760	1,760	15	1,745	126	
Chandragiri.	Do. extension ..	1888 ..	10,291	10,291	110	10,181	142	
Chandragiri.	Mungilpat	1890 ..	27,704	27,744	295	27,449	77	
Chandragiri.	Panapakam	1880 ..	17,318	17,318	155	17,163	93	
Chandragiri.	Nagapatla	1890 ..	18,874	18,912	324	18,588	77	
Chandragiri.	Tirupati hill	1888 ..	16,314	18,554	1,210	17,344	206	
Chandragiri.	Tirupati extensions A and B.	1891 ..	6,297	6,298	250	6,048	29	
Chandragiri.	Panapakam extension (*a*) ..	1892 ..	9,082	..	..	..	..	
Chandragiri.	Chandragiri hill	1892 ..	1,293	..	..	..	..	
Chandragiri.	Chamala	1880 ..	19,109	19,142	455	18,687	180	
	Total, Chandragiri ..	..	136,827	128,845	2,814	126,031	1,215	
Palmanér	Peddanaigdrug	1880 ..	14,382	14,135	3,688	10,448	28	
Palmanér	Mordana	1884 ..	11,652	9,200	65	9,135	48	
Palmanér	Charagal	1888 ..	17,942	6,504	1,120	5,384	21	
Palmanér	Peddur	1880 ..	15,806	16,415	2,407	14,008	44	
Palmanér	Naickaneri	1880 ..	6,705	6,735	1,761	4,974	34	
Palmanér	Musilimadugu	1884 ..	5,542	5,542	3,400	2,142	44	
Palmanér	Palmanér	1892 ..	6,451	6,148	770	5,378	30	
Palmanér	Peddur extension ..	1895 ..	10,604	9,291	114	9,177	..	
Palmanér	Coupe No. 24 Palmanér South Wg. Circle.	1903 ..	..	71	30	41	10	
Palmanér	Coupe No. 25 Palmanér South Wg. Circle.	1903 ..	..	79	..	79	5	
Palmanér	Coupe No. I Naickaneri North Wg. Circle.	1903 ..	..	105	..	105	7	
Palmanér	Coupe No. I Peddunaigdrug North Wg. Circle.	1903 ..	..	102	..	102	10	
Palmanér	Coupe No. I Peddunaigdrug Central Wg. Circle.	1903 ..	..	100	..	100	9	
Palmanér	Coupe No. I Peddunaigdrug South Wg. Circle.	1903 ..	..	82	1	81	5	
Palmanér	Coupe No. I Chargal W.C.	1903 ..	..	100	..	100	9	
Palmanér	Do. No. XXV Chargal W.C.	1903 ..	..	115	15	100	10	
Palmanér	Coupe No. I Pallalakuppam Wg. Circle.	1903 ..	..	103	30	73	10	

(*a*) Transferred to general protection during the year.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
North Arcot—*cont.* Special protection—*cont* Palmaner—*cont.*	*Central Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
	Coupe No. I Pidour Wg. Circle.	1903 ..	..	111	16	95	12	
	Coupe No. I Basavireddipalli Wg. Circle.	1903 ..	..	116	..	116	6	
	Coupe No. XXV Basavireddipalli Wg. Circle.	1903 ..	..	123	..	123	10	
	Total, Palmaner ..	..	89,084	75,178	13,417	61,761	352	
Gudiyáttam.	Penamadangi	1887 ..	10,515	10,515	..	10,515	64	
	Naickaneri (Gudi portion).	1884 ..	5,154	5,154	7	5,147	49	
	Mordana do. ..	1884 ..	12,159	14,552	804	13,748	40	
	Ambur drug	1884 ..	10,139	9,897	1,600	8,297	61	
	Mordana extension ..	1891 ..	8,851	8,994	1,850	7,144	20	
	Gundlapalli	1894 ..	7,354	7,330	..	7,330	37	
	Do. extension ..	1894 ..	928	928	400	528	4	
	Sayanagunta	1891 ..	7,352	7,241	..	7,241	55	
	Charagal (Gudi portion) ..	1893 ..	..	11,423	720	10,703	63	
	Kanjanur	1893 ..	1,545	1,549	..	1,549	30	
	Sayanagunta (extension) ..	1892 ..	..	2,496	..	2,496	16	
	Karapet ..	1892 ..	8,000	7,932	600	7,332	74	
	Naickaneri extension ..	1887 ..	..	1,568	..	1,568	18	
	Paradarami extension ..	1889 ..	1,888	1,888	..	1,888	6	
	Paradarami (Gudi portion).	1903 ..	..	4,402	398	4,004	25	
	Coupe No. I of Karapat Wg. Circle.	1903 ..	..	68	2	66	11	
	Coupe No. I of Ambardrug Wg. Circle.	1903 ..	..	242	100	142	17	
	Coupe No. I of Charagal North Wg. Circle.	1903 ..	..	71	..	71	12	
	Coupe No. I of Charagal South Wg. Circle.	1903 ..	..	72	..	72	11	
	Coupe No. I of Satghur Wg. Circle.	1903 ..	..	100	100	..	12	
	Coupe No. I of Pakalakuppam Wg. Circle.	1903 ..	..	94	..	94	12	
	Coupe No. I of Rangampet South Wg. Circle.	1903 ..	..	62	6	56	11	
	Coupe No. I of Saynagunta	1903 ..	..	65	..	65	11	
	Do. I of Gundapalli.	1903 ..	..	124	..	124	19	
	Do. I of Paradarami.	1903 ..	..	103	2	101	15	
	Coupe No. I of Jangudapalli.	1903 ..	..	109	..	109	9	
	Total, Gudiyáttam ..	..	73,885	96,979	6,589	90,390	702	
Vellore ..	Panankatteri Wg. Circle coupe No. I.	1903 ..	..	227	..	227	21	
	Panankatteri Wg. Circle coupe No. II.	1903 ..	..	229	..	229	33	
	Arasambat Wg. Circle coupe No. I.	1903 ..	..	186	..	186	10	
	Vellakkal Wg. Circle coupe No. I.	1903 ..	..	270	..	270	28	
	Naickaneri Wg. Circle coupe. No. I	1902 ..	..	263	..	263	20	
	Do. No. II	1903 ..	..	236	..	236	5	
	Do. No. III	1903 ..	..	251	..	251	13	
	Do. No. XX	1903 ..	..	320	..	320	} 38	
	Do. No. XXI	1903 ..	..	277	..	277		
	Do. No. XXIII	1903 ..	..	273	..	273		
	Arasambat	1887 ..	17,371	17,890	1,351	16,539	99	
	Ambur fuel	1879 ..	5,453	5,183	115	5,068	8	
	Vellakal	1869 ..	5,036	5,037	500	4,537	31	
	Ambur block	1887 ..	27,878	25,616	845	24,771	16	
	Athiyur	1889 ..	4,645	4,800	97	4,703	8	
	Palamadi	1880 ..	7,957	8,160	660	7,500	143	
	Tellai (Vellore portion) ..	1891 ..	1,325	1,330	63	1,267	20	
	Karuthamalai	1882 ..	20,487	20,486	84	20,402	32	
	Kylasagiri	1892 ..	2,449	2,534	600	1,934	87	
	Kaniambadi	1892 ..	5,455	5,472	715	4,757	4	
	Thanankuppam	1893 ..	13,842	13,843	59	13,784	4	
	Appukkal	1892 ..	800	800	100	700	8	
	Banavaram	1880 ..	1,016	1,022	13	1,009	8	
	Peneganur	1884 ..	12,068	13,498	2,431	11,067	49	
	Ammur	1884 ..	5,139	5,139	487	4,652	30	
	Total, Vellore ..	..	130,921	133,342	8,120	125,222	715	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
North Arcot—*cont.* Special Protection—*cont.*	*Central Circle*—cont.							
Pólúr	Karnatighur	1881 ..	7,270	7,270	22	7,248	239	
	Malyalam	1887 ..	28,460	28,614	8,448	20,166	91	
	Mulacadu	1890 ..	15,732	15,744	4,046	11,698	106	
	Santavasal	1890 ..	9,637	9,670	740	8,930	29	
	Periyamalai	1892 ..	6,815	6,970	900	6,070	46	
	Paruvadamalai	1892 ..	5,764	5,779	2,406	3,373	22	
	Thellai (Pólúr portion) ..	1891 ..	14,862	14,862	940	13,922	8	
	Vellimalai	1893 ..	2,003	2,003	111	1,892	8	
	Kelur	1884 ..	2,939	2,989	2	2,987	7	
	Virappanur	1886 ..	31,469	31,469	..	31,469	56	
	Puttur	1879 ..	18,458	18,458	..	18,458	..	
	Total, Pólúr ..	..	143,409	143,828	17,615	126,213	612	
	Total, Special ..	..	625,647	612,816	48,830	563,986	3,922	
General Protection.								
Chittoor	Santhapet	1882 ..	2,148	2,148	..	2,148	..	
	Basavapalli	1888 ..	1,784	1,784	..	1,784	..	
	Bommasamudram ..	1891 ..	1,172	1,128	..	1,128	..	
	Vavilthotta	1891 ..	2,495	2,495	..	2,495	..	
	Chittoor	1882 ..	385	386	2	384	..	
	Bommasamudram extension.	1892 ..	1,297	1,312	..	1,312	..	
	Kinatipalli extension ..	1893 ..	1,020	994	..	994	..	
	Basavapalle do. ..	1894 ..	841	841	..	841	..	
	Reddigunta	1893 ..	1,441	1,441	..	1,441	..	
	Chases hill	1893 ..	2,692	2,692	..	2,692	..	
	Irala extension	1893 ..	2,649	2,650	200	2,450	..	
	Penumur	1891 ..	1,082	1,082	..	1,082	..	
	Do. extension ..	1893 ..	3,123	3,123	..	3,123	..	
	Santhapet do. ..	1893 ..	482	482	..	482	..	
	Chilapallee	1884 ..	..	1,166	..	1,166	..	
	Mahimandalam	1888 ..	..	2,528	..	2,528	..	
	Veerasettipalli	1888 ..	..	7,287	..	7,287	..	
	Kinatipalle	1884 ..	..	1,417	..	1,417	..	
	Total, Chittoor ..	..	22,611	34,956	202	34,754	..	
Chandragiri.	Sanambatla	1892 ..	5,126	5,139	60	5,079	..	
	Pakala A and B	1894 ..	2,035	2,035	..	2,035	..	
	Napier extension	1900 ..	26	26	..	26	..	
	Penamur	1893 ..	1,350	1,350	..	1,350	..	
	Padipatlabylu	1880 ..	4,295	4,294	100	4,194	..	
	Damalcherla	1892 ..	2,367	2,368	..	2,368	..	
	Panapakkam extension ..	1892 ..	..	9,082	1	9,081	..	
	Chandragiri hill	1892 ..	..	1,293	..	1,293	..	
	Total, Chandragiri ..	..	15,199	25,587	161	25,426	..	
Palmanér	Basavareddipalli	1884 ..	5,952	5,253	300	4,953	..	
	Palmanér plantation ..	1884 ..	2	2	..	2	..	
	Nagamangalam do. ..	1884 ..	20	20	..	20	..	
	Peduguvaripalli do. ..	1884 ..	4	4	..	4	..	
	Venkatagirikota	1884 ..	9	9	..	9	..	
	Baireddipalli plantation ..	1884 ..	4	4	..	4	..	
	Melmoyi	1884 ..	1,568	1,568	110	1,458	..	
	Jangalapalle	1884 ..	3,009	..	..	..	..	
	Pattikonda	1893 ..	5,190	5,190	53	5,137	..	
	Musalimadugu extension.	1895 ..	1,875	1,875	..	1,875	..	
	Basavareddipalli A ..	1895 ..	2,170	2,170	700	1,470	..	
	Do. B ..	1895 ..	5,792	5,792	..	5,792	..	
	Alapalli	1895 ..	2,029	2,029	..	2,029	..	
	Nellipatla	1895 ..	7,705	7,134	910	6,224	..	
	Veerlabunda	1895 ..	2,511	2,569	..	2,569	..	
	Thotakanama	1895 ..	4,710	4,710	340	4,370	..	
	Total, Palmanér ..	..	42,550	38,329	2,413	35,916	..	
Gudiyáttam.	Tiruvallam plantation ..	1884 ..	431	431	..	431	..	
	Virinjipuram	1884 ..	260	260	..	260	..	
	Cheyur	1884 ..	130	130	..	130	..	
	Ammundi	1884 ..	160	160	..	160	..	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
General protection—*cont.*	*Central Circle*—cont.							
North Arcot—*cont.* Gudiyáttam—*cont.*	Thandrayagumpta ..	1884 ..	3	3	..	3	..	
	Vikramasi	1884 ..	129	129	..	129	..	
	Pallalakuppam	1892 ..	6,822	6,728	..	6,728	..	
	Do. extensions A and B.	1893 ..	5,883	5,883	..	5,883	..	
	Bommanayakanpalaiyam.	1894 ..	913	913	10	903	..	
	Kampasamudram A and B.	1893 ..	1,414	1,414	10	1,404	..	
	Kallapady	1894 ..	6,945	6,945	..	6,945		
	Jangalapalle	1884 ..	..	2,625	..	2,625	..	
	Naickaneri extension ..	1887 ..	1,568	..	..	..	..	
	Synigunta do. ..	1892 ..	2,508	..	..	..	..	
	Total, Gudiyáttam ..	..	27,166	25,621	20	25,601	..	
Vellore ..	Ambúr plantation ..	1884 ..	6	6	..	6	..	
	Vellore	1892 ..	2,333	2,413	340	2,073	..	
	Pallikonda	1892 ..	3,870	3,898	..	3,898	..	
	Nellimalai	1892 ..	2,797	2,797	1	2,796	..	
	Paravamalai	1892 ..	7,078	7,078	..	7,078	..	
	Kilannal plantation ..	1884 ..	150	150	..	150	..	
	Sennaleri	1884 ..	1,675	1,675	..	1,675	..	
	Sattur	1884 ..	750	750	..	750	..	
	Thandappan Thangal ..	1884 ..	1,099	1,099	..	1,099	..	
	Eudivadi	1884 ..	1,565	1,565	..	1,565	..	
	Sholavaram	1884 ..	1,184	1,184	..	1,184	..	
	Do. extension ..	1895 ..	885	885	..	885	..	
	Thandappan Thangal extension	1895 ..	310	310	..	310	..	
	Vannivedu plantation ..	1884 ..	39	39	..	39	..	
	Arkonam do. ..	1884 ..	58	58	..	58	..	
	Gudalur	1884 ..	535	535	..	535	..	
	Ananthapuram	1880 ..	540	540	..	540	..	
	Ammanur	1880 ..	203	203	..	203	..	
	Kolattur	1884 ..	1,729	1,729	..	1,729	..	
	Head Assistant Collector's Office, Arkonam ..	1884 ..	4	4	..	4	..	
	Total, Vellore ..	..	26,810	26,918	341	26,577	..	
Pólúr ..	Arasampettu	1884 ..	12,824	12,824	..	12,824	..	
	Amerdi plantation ..	1884 ..	25	25	..	25	..	
	Patracadu	1881 ..	25,174	25,254	4,973	20,281	..	
	Kappalur	1884 ..	1,504	1,504	50	1,454	..	
	Allialamangalam	1884 ..	10,027	10,027	..	10,027	..	
	Santavasal extension ..	1892 ..	316	331	..	331	..	
	Brahmanakatteri ..	1884 ..	561	561	..	561	..	
	Kodiyalam	1884 ..	243	243	..	243	..	
	Budur	1884 ..	835	835	..	835	..	
	Vengunam	1884 ..	1,288	1,288	..	1,288	..	
	Nambedu	1884 ..	947	947	..	947	..	
	Vishamangalam	1884 ..	1,148	1,148	..	1,148	..	
	Ponnur	1884 ..	1,656	1,656	..	1,656	..	
	Nedungal	1884 ..	2,294	2,298	..	2,298	..	
	Nedungunam	1884 ..	1,697	1,697	1	1,696	..	
	Nambedu extensions A, B and C.	1895 ..	397	397	..	397	..	
	Total, Pólúr ..	..	60,936	61,035	5,024	56,011	..	
	Total, General ..	..	195,272	212,446	8,161	204,285	..	
	Total, North Arcot, Special and General	..	820,919	825,262	56,991	768,271	3,922	
South Arcot—Special protection, Tiruvannámalai.	Annamalai	1878 ..	2,640	2,640	40	2,600	118	
	Kavuthimalai	1878 ..	7,085	7,085	..	7,085	62	
	Tenmalai	1877 ..	31,706	31,706	4,000	27,706		
	Nallapathi	1889 ..	5,094	5,094	..	5,094		
	Pelamaruthur	1889 ..	5,075	5,075	..	5,075	563	
	Paramanandal	1895 ..	1,457	1,517	100	1,417		
	Mudanai	1898 ..	7,046	7,046	..	7,046		

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Arcot —*cont.* Special protection, Tiruvannámalai—*cont.*	Valasamalai	1883-84 ..	12,369	12,369	400	11,969	118	
	Nattampalli	1889 ..	7,267	7,270	..	7,270	92	
	Perunkolattur - Swamimalai.	1883-84 ..	9,302	9,312	..	9,312	68	
	Chinnasamudram	1900 ..	2,841	2,842	4	2,838	29	
	Damarakadu	1900 ..	5,950	3,764	4	3,760	172	
	Tagarai	1883-84 ..	14,338	14,338	13	14,325	191	
Kallakurchi.	Total, South Arcot ..	..	112,170	110,058	4,561	105,497	1,413	
North Salem–Tiruppattúr range.	Alangayam	1891 ..	2,400	1,254	264	990	64	
	Narasingapuram	1893 ..	1,722	887	22	865	32	
	Kalarapatti	1895 ..	1,840	1,258	8	1,250	49	
	Vellakuttai	1896 ..	620	..	..	..	..	
	Punkulam coupes.. ..	1895-96 ..	1,200	1,200	..	1,200	53	
	Mambakkam	1894 ..	1,000	120	..	120	7	
	Andiappanur	1894 ..	1,700	1,480	..	1,480	69	
	Govindapuram	1895 ..	1,955	1,805	136	1,669	39	
	Materakadappa	1896 ..	313	..	..	..	..	
	Singarapet coupe ..	1881 ..	3,461	3,461	1,043	2,418	59	
	Kottur (Elagiri) ..	1885 ..	1,200	1,200	..	1,200	42	
	Onnakarai	1897 ..	3,000	3,000	..	3,000	78	
	Kallavi	..	750	1,230	..	1,230	57	
	Burgur block	1892 ..	(a) 1,806	1,806	..	1,806	39	
	Kottur do.	1883 ..	2,350	2,350	5	2,345	44	
	Neralkottai	1893 ..	1,560	1,269	..	1,269	64	
	Maharajagadai	1896 ..	1,626	1,399	..	1,399	77	
	Thogarapalli	1884 ..	750	..	..	..	7	
	Mangalam	1901-1902..	310	781	..	781	35	
	Elavambadi	1902-1903..	..	482	..	482	13	
	Total, Tiruppattúr range.	..	29,563	24,982	1,478	23,504	821	
Hosúr range.	Melagiri	1885 ..	5,410	5,461	285	5,176	87	
	Kanavoikottapalli ..	1885 ..	737	742	300	442	19	
	Gulhati	1885 ..	3,248	3,248	7	3,241	68	
	Manchi	1885 ..	3,185	3,255	2,500	755	19	
	Kanavanaigasamudram ..	1885 ..	416	416	80	336	17	
	Jowlagiri	1900 ..	3,635	5,160	5	5,155	135	
	Noganur coupe	1900 ..	247	252	..	252	22	
	Total, Hosúr range ..	..	16,878	18,534	3,177	15,357	367	
	Total, North Salem ..	..	46,441	43,516	4,655	38,861	1,188 + (b) 57	
South Salem.	Shevaroys South Working Circle new coupe.	1901 ..	..	1,559				
	Pannikaradu	1882 ..			200	7,588	146	
	Kurumbapatti old coupes 1—25.	1897 ..	6,229	6,229				
	Nagaramalai reserve ..	1901 ..						
	Shevaroys East Working Circle new coupe.	1902 ..	470	1,884	..	1,884	116	
	Kapputhu old coupe 1—3.	1897 ..	1,000					
	Vadugampatti	1881 ..	..	1,974	..	1,974		
	Morur block of Lokur reserved forest.	1881 ..	799	799	..	799		
	Ammaneri block No. 8 ..	1882 ..	..	252	..	252		
	Pillapalli Kombai No. 7..	1882 ..	..	981	..	981	170	
	Karuvattuparai	1883 ..	..	837	..	837		
	Atúr ghat coupes 1—4 ..	1900 ..	687	1,238	132	1,106		
	Kanjeri block	1882 ..	1,929	1,929	..	1,929		
	Pattimedu old coupe ..	1902 ..	20	20	..	20		
	Do. new coupe ..	1902 ..	50	50	..	50		
	Panamadal new coupe ..	1902 ..	50	50	..	50		
	Do. old coupe ..	1902 ..	60	60	..	60	40	
	Mannur coupe	1902 ..	136	136	35	101		
	Nagalur old coupe ..	1902 ..	60	60	20	40		

(*a*) Revised figure as per form No. 44.

(*b*) Spent in putting out fires.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Central Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
South Salem—*cont.*	Harur	1882 ..	1,028	1,575	1,026	549	430 (for Harur to Harur Working Circle coupes 1 and 2 Poyapatti)	
	Do. coupe 1 and 2 ..	1902 ..	50	104	22	82		
	Kuriappukombai	1897 ..	181	181	..	181		
	Mallapuram	1882 ..	605	606	..	606		
	Kouramalai old coupes ..	1898 ..	609	609	..	609		
	Mukkanur	1901 ..	960	960	..	960		
	Shevaroys West Working Circle Compartment No. 2.	1902 ..	600	1,201	..	1,201		
	Kouramalai West Working Circle compartment 2.	1902 ..	340	820	..	820		
	Chitteri North Working Circle, B. Series.	1902 ..	449	902	..	902		
	Chitteri South-west Working Circle.	1902 ..	450	903	..	903		
	Ponniar Working Circle compartment 2.	1902 ..	240	480	20	460		
	Harur Working Circle coupes 1 and 2 Poyapatti.	1902 ..	108	111	..	111		
	Total, South Salem (General).	..	17,110	26,510	1,455	25,055	902 —(*a*) 54	
Trichinopoly (General)—Musiri range.	Sengattupatti	1885–86 ..	3,000	3,000	..	3,000	(*b*) 122 (for Sengattupatti to Pulambadi No. I)	These blocks were in former years protected by fire lines and patrols. Since 1893–94 no money has been spent on fire lines.
	Manmalai	1887–88 ..	5,995	6,000	..	6,000		
	T. Kanapadi	1887–88 ..	12,000	12,000	..	12,000		
	Karuppan Kadu Thittu ..	1887–88 ..	2,000	2,000	..	2,000		
	Mélúr	1885–86 ..	3,000	3,000	..	3,000		
	V. Kanappadi	1887–88 ..	9,997	10,000	..	10,000		
	Palamalai	1888–89 ..	10,000	10,000	..	10,000		
	Kaliammankoil Thittu ..	1889–90 ..	1,500	1,500	..	1,500		
	Kanappadi Kannimarsolai.	1889–90 ..	2,560	2,560	..	2,560		
	Total, Musiri range ..	..	50,052	58,060	..	50,060		
Perambalúr range.	Manalodai	1885–86 ..	5,000	5,000	..	5,000		
	Sholamathi	1885–86 ..	6,000	6,000	..	6,000		
	Selaiyur	1889–90 ..	1,600	1,600	..	1,600		
	Puliyur	1890–91 ..	9,999	10,000	..	10,000		
	Sengathur	1890–91 ..	9,940	10,000	..	10,000		
	Valaiyur	1900–1901.	1,615	1,655	..	1,655		
	Arasadi Arivittu ..	1900–1901.	2,000	3,541	..	3,541		
	Pulambadi No. I	1900–1901.	2,884	2,506	12	2,494		
	Total, Perambalúr range.	..	39,038	40,302	12	40,292	122	
	Total, Trichinopoly (General) ..	..	89,090	90,362	12	90,350	122	
Tanjore ..			*Nil.*					
	Total (Special) Central Circle.	..	801,368	792,900	59,501	733,399	7,428	
	Total (General) Central Circle.	..	792,551	814,048	74,368	739,680	6,209	
	Grand Total, Central Circle.	..	1,593,919	1,606,948	133,869	1,473,079	13,637	
South Canara (Special)—	*Southern Circle.*							
Coondapoor range.	Sarapanamane	1886–87 ..	796 (Sarapanamane and Savantagadde together)	796	25	771	33	
	Savantagadde	1896–97 ..						
	Honnukodlu	1894–95 ..	584	584	..	584	29	
	Herur	1893–94 ..	2,862	2,884	60	2,824	35	
	Talaburane	1895–96 ..	611	611	..	611	27	
	Chittur	1895–96 ..	2,234	2,234	..	2,234	27	
	Kadike	1895–96 ..	2,535	2,735	3	2,732	31	
	Karnigadde	1895–96 ..	1,161	1,161	..	1,161	24	
	Total, Coondapoor range.	..	10,783	11,005	88	10,917	206	

(*a*) Deducted as per Accountant-General's audited figures.

(*b*) The amount paid to Malayalis on the Pachamalais with whom agreements are entered into for keeping the lines clear and preserving the forest safe from fire.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
			ACS.	ACS.	ACS.	ACS.	RS.	
South Canara (Special)—*cont.*	*Southern Circle*—cont.							
Udipi range.	Chinkramale	1885–86 ..	2,530	2,560	45	2,515	38	
	Tenkahola	1886–87 ..	2,039	2,039	..	2,039	28	
	Mavinakodlu	1895–96 ..	1,627	1,627	..	1,627	34	
	Huvakladi	1895–96 ..	1,274	1,280	..	1,280	29	
	Jatkatmale	1897–98 ..	1,385	1,386	20	1,366	29	
	Durgamale	1897–98 ..	1,567	1,601	39	1,562	22	
	Total, Udipi range ..	..	10,422	10,493	104	10,389	180	
Mangalore range.	Munjimale	1894–95 ..	3,050	3,200	60	3,140	26	
	Todar	1889–90 ..	458	458	38	420	25	
	Hospet	1889–90 ..	370	376	2	374	27	
	Naninjimale	1897–98 ..	1,379	1,459	34	1,425	18	
	Panamberi	1902–1903.	..	640	70	570	18	
	Total, Mangalore range ..	..	5,257	6,133	204	5,929	114	
Uppinangadi range.	Dharmastala	1887–88 ..	4,498	4,998	1,664	3,334	29	
	Porkala	1902–1903.	..	4,558	97	4,461	25	
	Mujur	1901–1902.	10,055	10,106	80	10,026	67	
	Miyar	1901–1902.	17,475	17,533	998	16,535	95	
	Kombar	1901–1902.	9,371	9,396	29	9,367	35	
	Kidu	1901–1902.	6,363	6,414	38	6,376	35	
	Konaji	1901–1902.	6,555	6,632	58	6,574	39	
	Padnur	1902–1903.	..	3,157	102	3,055	32	
	Kuntur	1902–1903.	..	3,945	1	3,944	42	
	Nerankimale	1902–1903.	..	3,960	..	3,960	18	
	Nidle	1902–1903.	..	3,269	..	3,269	7	
	Shibaji	1902–1903.	..	3,456	2,500	956	34	
	Kadimbilla	1902–1903.	..	1,848	1,386	462	22	
	Total, Uppinangadi range.	..	54,317	79,272	6,953	72,319	480	
Puttur range.	Parappa.	1896–97 ..	2,550	2,560	100	2,460	32	
	Kanakamajal	1899–1900.	2,249	2,249	95	2,154	32	
	Pumale	1897–98 ..	3,840	3,840	..	3,840	49	
	Jalsur block (felled area).	1900–1901.	5,120	5,120	..	5,120	14	
	Total, Puttur range ..	..	13,759	13,769	195	13,574	127	
	Total (Special) ..	..	94,538	120,672	7,544	113,128	1,107	
General—								
Coondapoor range.	Sabladi	1884–85 ..	208	208	..	208	6	
	Kasanakatte	1893–94 ..	262	262	..	262	..	
	Harkur	1893–94 ..	858	858	..	858	18	
	Darlegudde	1893–94 ..	168	168	..	168	6	
	Mudaragudde	1893–94 ..	356	356	..	356	13	
	Abbigudde	1897–98 ..	1,434	1,434	..	1,434	..	
	Baindur	1897–98 ..	5,795	5,795	..	5,795	6	
	Total, Coondapoor range ..	..	9,081	9,081	..	9,081	49	
Udipi range.	Pilarkan	1883–84 ..	320	320	..	320	..	
	Manaje	1886–87 ..	423	423	..	423	11	
	Jarvattu	1894–95 ..	418	418	..	418	6	
	Hale Someshwar	1895–96 ..	1,895	1,895	10	1,885	10	
	Mensinkan	1896–97 ..	1,008	1,008	3	1,005	6	
	Matkalgudde	1897–98 ..	250	251	..	251	4	
	Total, Udipi range ..	..	4,314	4,315	13	4,302	37	
Uppinangadi.	Shiradi extension ..	1902–03 ..	..	883	..	883	5	
Puttur range.	Virakhamba	1897–98 ..	1,674	1,683	..	1,683	16	
	Kalanjimali	1898–99 ..	2,929	3.049	..	3,049	23	
	Gunadka sheds	1901–1902.	2	2	..	2	2	
	Kilarmale	..	100	100	..	100	..	
	Total ..	..	4,705	4,834	..	4,834	41	
	Total (General) ..	..	18,100	19,113	13	19,100	132	
	Total, South Canara (Special and General).	..	112,638	139,785	7,557	132,228	1,239	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
North Malabar—	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Special	Begur	188-832 ..	5,160	7,075	..	7,075	2,353	
	Kurchiyat	1887–88 ..	6,025	9,000	..	9,000	4,298	
	Kanoth plantation ..	1894–95 ..	264	300	..	300	65	
	Total (Special) ..	..	11,449	16,375	..	16,375	6,716	
General	Begur	1882 83 ..	12,776	8,291	518	7,773	..	
	Peria	1894–95 ..	6,400	6,400	..	6,400	..	
	Tirunelli	1894–95 ..	5,473	..	..	..	..	
	Mavanhulla	1894–95 ..	12,576	..	..	..	..	
	Rampur	1894–95 ..	18,854	..	..	..	..	
	Kurichyat	1894–95 ..	12,029	..	..	..	..	
	Total (General) ..	..	68,108	14,691	518	14,173	..	
	Total, North Malabar (Special and General).	..	79,557	31,066	518	30,548	6,716	
South Malabar (Special)—								
Nilambúr range.	Amarampalem	1860–61 ..	468	468	..	468	70	
	Chathanborai	1872–73 ..	624	624	..	624	136	
	Teak plantations	1842–43 ..	3,516	3,516	..	3,516	687	
	Edakode natural forests ..	1898–99 ..	400	400	..	400	28	
	Arimbrakuthmala ..	1899–1900.	322	322	..	322	49	
	Total, Nilambúr range.	..	5,330	5,330	..	5,330	970	
Amarampalam range.	Karimpoya	1884–85 ..	3,955	3,955	..	3,955	302	
	Nellikutta	1883–84 ..	1,824	1,824	..	1,824	130	
	New Amarampalam ..	1889–90 ..	75,000	75,000	..	75,000	183	
	Kariem Mariem forests ..	1901–1902.	2,716	2,716	..	2,716	158	
	Total, Amarampalam range.	..	83,495	83,495	..	83,495	773	
Palghat range.	Chenat Nair	1884–85 ..	15,203	15,203	..	15,203	433	
	Tamparattipottai	1891–92 ..	124	124	..	124	15	
	Dhoni	1898–99 ..	45	45	..	45	14	
	Pulliampatti tope reserve.	1900–1901.	20	20	..	20	5	
	Total, Palghat range ..	..	15,392	15,392	..	15,392	467	
	Total, South Malabar (Special).	..	(*a*)104,217	104,217	..	104,217	2,210	
The Nilgiris. (Special)—	Mudumalai teak plantation.	1883 ..	25	25	..	25	..	
	Do. do.	1886 ..	40	40	..	40	..	
	Mudumalai experimental block.	1893 ..	179	179	..	179	528	
	Tuckles of 1896 and 1899.	1899 ..	25	25	..	25	..	
	Margadi block	1888 ..	2,306	2,781	150	2,631	..	
	Marigudi blocks Nos. IV and V.	1898 ..	2,686	2,686	..	2,686	..	
	Moyar reserved forest (east)	1886 ..	3,000	4,000	10	3,990	..	
	Northern Hay sandalwood plantation.	1883 ..	22	22	..	22	455	
	Sandalwood tracts in Sigur reserved forest.	1899 ..	1,240	1,240	..	1,240	..	
	Chemmanguli	1883 ..	25	25	..	25	..	
	Aranakal	1883 ..	9	9	..	9	..	
	Governor's Shola No. I ..	1883 ..	25	25	..	25	..	
	Do. ,, II ..	1883 ..	30	30	..	30	..	
	Andi	1883 ..	17	17	..	17	..	
	Upatti	1883 ..	12	12	..	12	..	
	Sheffield	1883 ..	25	25	..	25	..	
	Culli	1883 ..	17	17	..	17	..	
	Chowghat Culli	1883 ..	26	26	..	26	207	
	Madanah	1883 ..	8	8	..	8	..	
	Baikie	..	50	50	..	50	..	
	Arambi	..	430	430	..	430	..	
	Marlimund..	..	11	11	..	11	..	

(*a*) The area of Walayar transferred to South Coimbatore district is excluded.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
The Nilgiris (Special) —*cont.*	Cairn Hill	..	405	405	..	405	..	
	Muthanad	1898 ..	80	80	..	80	..	
	Kullar reserve	1883 ..	919	919	..	919	..	
	Burliyar	1883 ..	178	178	..	178	..	
	Ghaut reserve	1883 ..	247	247	..	247	..	
	Coonoor peak	1883 ..	259	259	..	259	..	
	Bandishola	1883 ..	111	111	..	111	350	
	Sim's Park block No. I ..	1883 ..	48	48	..	48	..	
	Blackbridge	1883 ..	40	40	..	40	..	
	Little Rallia	1883 ..	10	10	..	10	..	
	Newman	1883 ..	35	35	..	35	..	
	Rallia	1883 ..	60	60	..	60	..	
	Longwood addition ..	1885 ..	350	350	..	350	..	
	Kunjapanai sandalwood area.	1898 ..	640	640	..	640	..	
	Bleak house	1899 ..	57	57	..	57	..	
	Spring field	1899 ..	30	30	..	30	..	
	Sim's Park No. II. ..	1899 ..	36	36	..	36	..	
	Total (Special) ..	..	13,713	15,188	160	15,028	1,540	
General ..	Ulnad	1883 ..	839	839	..	839	..	
	Mukurty	1888 ..	1,324	1,324	..	1,324	..	
	Kurumand	1883 ..	1,552	1,552	..	1,552	..	
	Kundahs	1885 ..	42,505	42,505	..	42,505	..	
	Pichelbettu	1886 ..	1,668	1,668	..	1,668	..	
	Kadkupa	1886 ..	1,622	1,622	..	1,622	..	
	Nanjanad	1893 ..	914	914	..	914	..	
	Karpakan	1886 ..	391	391	..	391	..	
	Vellingiri	1886 ..	643	643	..	643	..	
	Pykara	1893 ..	844	844	..	844	..	
	Yemmakal	1886 ..	465	465	..	465	..	
	Hiriashigai	1887 ..	3,026	3,026	..	3,026	..	
	Thaishola	1885 ..	1,551	1,551	..	1,551	386	
	Muthanad	1883 ..	340	340	..	340	..	
	Bikkapathi	1894 ..	1,945	1,945	..	1,945	..	
	Naduvattam	1885 ..	3,411	3,411	..	3,411	..	
	Ouchterlony	1886 ..	973	973	..	973	..	
	Nilgiri Peak	1886 ..	5,962	5,962	..	5,962	..	
	Chinna Coonoor	1894 ..	14	14	..	14	..	
	Kengal	1894 ..	14	14	..	14	..	
	Kadanad	1895 ..	40	40	..	40	..	
	Huppatti	1895 ..	491	491	..	491	..	
	Kaguchi	1895 ..	475	475	..	475	..	
	Iduhatti	1895 ..	15	15	..	15	..	
	Bathri shola	1884 ..	34	34	..	34	..	
	Dodabetta	1884 ..	758	758	..	758	..	
	Jakuntha	1884 ..	373	373	..	373	..	
	Honnathalai	1884 ..	320	320	..	320	..	
	Keraiyada	1884 ..	276	276	..	276	..	
	Kengadu	1884 ..	451	451	..	451	..	
	Brookland	1884 ..	177	177	..	177	..	
	Lovedale (East)	1884 ..	127	127	..	127	..	
	Benhope reserve	1885 ..	75	75	..	75	..	
	Black bridge	1883 ..	350	350	..	350	..	
	Devashola, north and south.	1883 ..	211	211	..	211	..	
	Jaskal plantation	1902 ..	5	5	..	5	..	
	Total (General) ..	..	74,181	74,181	..	74,181	386	
	Total, The Nilgiris (Special and General).	..	87,894	89,369	160	89,209	1,929	
Coimbatore, North (Special)—	Hassanur sandalwood compartment—Satyamangalam range.	1895–96 ..	2,096	2,140	..	2,140	132	
	Minchiguti Working Circle —Minchiguti range.	1902–1903.	*Nil.*	24,550	4,070	20,480	228	
	Badagalli sandalwood compartment — Talamalai range.	1896–97 ..	44	685	23	662	21	
	Talamalai sandalwood compartment — Talamalai range.	1897–98 ..	582	589	..	589	39	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
	Southern Circle—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Coimbatore, North—(Special)—*cont.*	Talamalai reserve ..	1901–1902.	49,650	51,200	10,990	40,210	254	
	Bailur sandalwood compartment — Kollegal range.	1895–96 ..	1,726	2,952	..	2,952	206	
	Udaiyárpálaiyam sandalwood compartment—Kollegal range.	1895–96 ..	1,500	1,504	..	1,504	133	
	Jadathadihulla sandalwood compartment—Kollegal range.	1895–96 ..	176	235	..	235	62	
	Total, Coimbatore, North (Special).	..	55,774	83,855	15,083	68,772	1,075	
Coimbatore, South (Special)—Tunacadavu and Pollachi.	Tekadi leased forests and portion of Tunacadavu reserve No. I.	1882–83 ..	26,374	26,374	125	26,249	784	
Pollachi ..	Punachi reserve No. II ..	1888–89 ..	2,880	2,880	..	2,880	439	
Udamalpet ..	Dhali block ..	1883–84 ..	485	485	..	485	58	
Mettupálaiyam.	Singaratope Working Circle of Odanthorai block.	1891–92 ..	775	777	..	777	134	
Bolampatti.	Sholakarai. (In Bolampatti block I.)	1883–84 ..	1,151	1,157	51	1,106	..	
	Thenkaradu.		393	393	40	353		
	Keerapatti.		2,235	2,260	20	2,240		
	Oratti ..		1,136	1,136	..	1,136		
	Kuchimalai.		1,445	1,545	..	1,545		
	Noyel .. (In Bolampatti block II.)		10,920	10,920	..	10,920		
	Velliyangiri.		5,236	5,240	50	5,190		
	Varadimudi.		7,938	7,960	..	7,960		
	Kanavarai .. In Bolampatti block III and portions of blocks II and IV.	1883–84.	13,741	13,880	55	13,825	1,326	
	Walayar reserve	1873–74 ..	3,017	3,017	..	3,017		
	Total, Coimbatore, South (Special).	..	77,726	78,024	341	77,683	2,741	
General—Tunacadavu and Pollachi.	Tunacadavu reserve No. I	..						
Pollachi ..	Punachi reserve No. II.	..	255,270	256,847	200 1,920	254,727	..	
Udamalpet ..	Amravati ,, ,, III.	..						
Tunacadavu, Pollachi and Udamalpet.	Anamalai ,, ,, IV.	..						
Bolampatti.	Bolampatti ,, No. I.	..						
	Do. ,, ,, II.	..			73			
	Do. ,, ,, III.	..						
Bolampatti and Méttupálaiyam.	Tadagam ,, ,, IV.	..						
Méttupálaiyam.	Gopanari ,, ,, V.	..	74,569	74,791	..	74,698	..	
	Kempampalayam reserve No. VI.	..						
	Nellithorai reserve No. VII.	..						
Bolampatti..	Small Sholakarai reserve No. X.	..			20			
	Sankararayapuram reserve	..						
Méttupálaiyam.	Odanthorai reserve No. VIII.	..	5,335	5,335	..	5,335	..	
	Modur reserve No. IX ..	..	5,805	5,805	..	5,805	..	
	Nellimalai reserve ..	..	1,882	1,882	..	1,882	..	

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

Districts.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Coimbatore (South)—(General)—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
Udamalpet..	Elayamuthur reserve ..	..	762	762	..	762	..	
	Dhali reserve	..	145	145	..	145	..	
Mettupálaiyam.	Avanashi palmyra tope (*a*)	..	67	67	..	67	..	
	Total, General protection.	..	343,835	345,634	2,213	343,421	..	
	Total, Coimbatore, South, (Special and General).	..	421,561	423,658	2,554	421,104	..	
Madura (Special)	Amburuvi	1886–87 ..	(*b*) 10,771	10,771	..	10,771	96	
	Shengalvarayar	1885–86 ..	(*b*) 4,608	4,608	..	4,608	36	
	Pambar	1883–84 ..	3,859	4,243	775	3,468	48	
	Adukam	1885–86 ..	(*b*) 3,200	3,200	310	2,890	74	
	Poombarai Vilpatti valley.	1884–85 ..	16,674	17,594	1,500	16,094	70	
	Karungal Dhoni Medu ..	1885–86 ..	1,964	1,964	50	1,914	..	
	Kookal	1886–87 ..	11,725	11,725	..	11,725	30	
	Kudrayar	1886–87 ..	12,865	13,235	700	12,535	25	
	Perumalmalai .. .. Thogavarai Shola.. .. Thalaiyarkadu .. .. Kadamarava	1886–87..	2,032	7,386	320	7,066	115	
	Gundan shola plantation..	1886–87 ..	257	257	..	257	57	
	Oliyanuthu Odai	1888–89 ..	3,802	3,802	100	3,702	..	
	Upper Palni Sholas—							
	Perumalmalai Shola ..	1902–1903.	..	347	..	347	644	
	Anagiri Shola	1902–1903.	..	73	..	73		
	Tiger Shola	1902–1903.	..	1,866	20	1,846		
	Glenfalls Shola	1902–1903.	..	36	..	36		
	Parappar	1902–1903.	..	55	..	55	644	
	Nettle	1902–1903.	..	16	3	13		
	Kalrankavai	1902–1903.	..	52	..	52		
	Gundar	1902–1903.	..	438	..	438		
	Manavarthan	1902–1903.	..	56	..	56		
	Pannitulam	1902–1903.	..	16	..	16		
	Kundukadu	1902–1903.	..	332	..	332		
	Gundar valley	1902–1903.	..	3,988	..	3,988		
	Tulkadu	1902–1903.	..	268	..	268		
	Kuttukalpadu	1902–1903.	..	36	..	36		
	Kilavarai	1902–1903.	..	36	..	36		
	Chandanur	1902–1903.	..	440	..	440		
	Pookkadu	1902–1903.	..	242	..	242		
	Swamikanal	1902–1903.	..	1,548	40	1,508		
	Kilanvayal	1902–1903.	..	568	..	568		
	Alagar Hill	1882–83 ..	16,838	16,838	..	16,838	365	
	Total, Madura—(Special).	..	88,595	106,036	3,818	102,218	1,560 + (*e*) 20	
							1,580	
Tinnevelly (Special)—Srivilliputtúr.	Aiyanarkovil Working Circle.	1902 ..	886	4,722	537	4,185	310	
Sankaranáyinárkóyil.	Karupasamikoyil Working Circle.	1902 ..	920	6,155	2	6,153	134	
Tenkási ..	Kadayanallur Working Circle.	1902 ..	452	2,288	239	2,049	140	
	Kuttalam Working Circle.	1902 ..	604	2,644	39	2,605	50	
Ambásamudram.	Koilteri do.	1902 ..	589	2,656	..	2,656	134	
	Padirmalai do.	1902 ..	810	3,045	220	2,825	128	
Nánguneri ..	Kalakad do.	1902 ..	969	2,918	44	2,874	296	
	Tirukarungudi do.	1902 ..	208	2,538	3	2,535	147	
	Total (Special) ..	..	(*c*) 5,438	26,966	1,084	25,882	1,339 −(*d*)420	

(*a*) This was not shown in the previous year's return. (*b*) Reported by the Collector to be the correct area.
(*c*) The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return has not been explained.
(*d*) Deducted as per Accountant-General's audited figures. (*e*) Cost of putting out fire.

Area of Forest Tracts protected from Fire during 1902–1903—*cont.*

District.	Forest tracts.	Year in which protection commenced.	Area protected during the previous year.	During dry season of 1903. Area attempted to be protected.	Fires.	Actually protected.	Cost during the season.	Remarks.
1	2	3	4	5	6	7	8	9
Tinnevelly—*cont.*	*Southern Circle*—cont.		ACS.	ACS.	ACS.	ACS.	RS.	
General.								
Srívilliputtúr.	Ghaut forests V and V (*a*).	1902 ..	* 41,423	38,783	5,693	33,090	71	
Sankaranayinárkóyil.	Do. IV and IV (*a*).	1902 ..	24,647	20,379	922	19,457	183	
Tenkási ..	Ghaut forests III, III (*a*) (*b*), (*c*) (c_2), (*d*), extension Nos. 1 to 3.	1902 ..	24,363	21,502	3,022	18,480	171	
Ambásamudram.	Ghaut forests II and II (*b*)	1902 ..	87,091	84,558	7,309	77,249	133	
Nánguneri ..	Ghaut forests I and I (*a*) Teak track Mahendragiri and Vannamutti.	1902 ..	51,597	45,981	5,155	40,826	237	
	Total, General ..	..	229,121	211,203	22,101	189,102	795	
	Total, Tinnevelly, Special and General.	..	234,559	238,169	23,185	214,984	2,134	
	Total, Southern Circle—							
	(Special) protection ..	..	451,450	551,333	28,030	523,303	17,888	
	(General) protection ..	..	733,345	664,822	24,845	639,977	1,398	
	Grand Total, Southern Circle.	..	1,184,795	1,216,155	52,875	1,163,280	19,286	
	Total, Presidency—							
	(Special) protection ..	..	1,448,741	1,556,308	132,298	1,424,010	30,711	
	(General) protection ..	..	2,007,466	1,992,588	196,649	1,795,939	10,331	
	Grand Total, Presidency.	..	3,456,207	3,548,896	328,947	3,219,949	41,042	

* The discrepancy between the closing balance of the previous year's return and the opening balance of this year's return has not been explained.

Annual Form No. 52.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1902–1903.

District.	Area in square miles. Closed to all animals. Whole year.	Closed to all animals. Part of year.	Closed to both goats and sheep. Whole year.	Closed to both goats and sheep. Part of year.	Area closed to goats only.	Open to all animals. Whole year.	Total forest area as per Form No. 44.
1	2	3	4	5	6	7	8
Northern Circle.	SQ. MLS.	SQ. MLS.	SQ. MLS.		SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjám	60	..	..	..	538	..	536 2
Vizagapatam	5	..	298 47	..	..	..	298 47
Gódávari	37 75	.. ..	201	.. ..	748 75	3	952 75
Kistna	207 3	.. ..	.. ..	.. ..	786 21	171 25	957 46
Kurnool	105	..	..	..	2,665	11	2,333 343
Bellary	34	..	..	..	547	89	571 65
Anantapur	29	..	29	..	481	..	510
Total, Northern Circle ..	555	..	575	..	5,861	299	6,157 578
Central Circle.							
Cuddapah	12	5	2,304	..	..	69	2,216 157
Nellore	155	..	..	..	676	72	739 9
Chingleput	43	..	..	..	213	1	214
North Arcot	166	9	..	..	1,290	1	1,291
South Arcot	14	7	..	..	663	..	663
North Salem	68	..	..	..	880	44	813 111
South Salem	32	..	..	..	728	7	695 40
Trichinopoly	33	..	..	..	296 19	..	296 19
Tanjore	2	..	..	..	19	..	19
Total, Central Circle ..	525	21	2,304	..	4,784	194	6,946 336
Southern Circle.							
South Canara	15 1	..	..	..	662 409	..	662 409
North Malabar	28	..	..	..	..	231 4	231 4
South Malabar	266	..	266	..	..	..	218 48
The Nilgiris	5 10	..	..	..	403 95	..	403 95
North Coimbatore	80	..	..	..	1,640	(a) 10	1,333 317
South Coimbatore	22	..	..	..	662	..	662
Madura	109	1	..	..	560	59	609 10
Tinnevelly	251	28	..	..	279	158	436 1
Total, Southern Circle ..	787	29	266	..	4,710	462	4,554 884
Grand Total, Presidency ..	1,867	50	3,145	..	15,355	955	19,455
1901–1902 ..	1,727	492	797	..	17,375	1,394	19,566

(a) Closed from 1st April 1903.

N.B.—The totals of columns 4, 6 and 7 equal column 8. The figures in columns 6 and 4 include the figures in columns 2 and 3. Of the figures in brackets the upper one denotes the area of reserved forests and the lower one the area of reserved lands.

FORM No. 53.

RETURN of Grazing in the State Forests of the Madras Presidency during 1902–1903.

FORM

RETURN of Grazing in the State Forests of the

(a) *Reserved forests notified under*

Districts.	Grazing on payment. Number of animals. At enhanced rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	10,536	46,955	859	..	12,836
Vizagapatam	94	2,805	524	..	814	1,154	19,779	873	..	4,223
Gódávari	(a) 9,103	(a) 20,958	(a) 1,402	..	10,054	3,497	16,658	(d) 2,205	..	(f) 3,124
	(b) 983	(b) 290	..	..	1,121			511		274
Kistna	(g) 1,984	(g) 7,959	..	..	2,982	21,027	45,583	(d) 184,315	18	43,299
	(h) 313	(h) 209	..	..	261			102,234		
		(i) 1,152	..	..	1,152					
	(j) 2,766	(j) 23,304	..	..	13,727					
	(k) 1,082	(k) 26,428	(k and d) 37,380	..	19,506					
			248							
Kurnool	3,750	64,498	9,575	3	19,197	..	..	..	..	..
Bellary	..	..	..	..	..	14,027	58,731	255,177	..	40,195
Anantapur	..	..	..	..	..	3,458	50,674	(d) 95,878	2	19,801
								147		
Total, Northern Circle	20,075	147,603	49,129	3	68,814	53,699	238,380	642,199	20	1,23,752
Central Circle.										
Cuddapah (s)	..	..	..	..	..	3,995	108,465	151,334	..	36,549
Nellore	..	..	..	..	..	11,954	91,322	167,407	..	39,960
Chingleput	..	..	..	..	..	2,766	33,561	49,407	2	23,924
North Arcot	..	..	..	..	..	2,056	96,870	89,808	..	27,356
South Arcot	..	(n) 19,512	..	..	4,878	4,136	108,484	147,602	..	35,729
North Salem	..	..	..	..	..	2,594	112,939	27,512	1	30,982
										(r) 271
South Salem	..	..	..	..	..	1,819	107,212	(d) 36,273	..	24,396
								405		
Trichinopoly	..	..	..	..	..	871	28,137	103,048	..	15,263
Tanjore	..	..	..	..	..	516	3,674	4,709	30	1,329
Total, Central Circle	..	19,512	..	..	4,878	30,707	690,664	777,505	33	2,35,759
Southern Circle.										
South Canara	..	..	..	..	..	2,099	15,711	..	1	3,733
North Malabar	..	..	..	..	..	3,391	7,536	..	..	(s) 2,790
South Malabar	..	..	..	..	..	..	22	9	..	5
The Nilgiris (u)	..	..	..	..	..	11,692	21,722	514	12	8,981
North Coimbatore	7,039	12[illegible],600	28,830	..	37,773	168	3,927	7,437	..	1,497
South Coimbatore	..	..	..	..	..	667	40,813	(d) 8,278	8	8,704
Madura	..	..	..	..	..	190	39,482	(d) 15,672	11 horses.	(v) 20,963
								30,817		
Tinnevelly	..	..	..	..	..	172	12,122	(d) 18,027	..	4,056
Total, Southern Circle	7,039	122,600	28,830	..	37,773	18,379	141,335	80,754	32	50,729
Grand Total, Reserved Forest, Presidency	27,114	289,715	77,959	3	1,11,465	102,785	1,070,379	1,500,458	85	4,10,240

(a) The enhanced rates levied were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(c) Privileged rates levied were As. 2 per buffalo, 1 anna per cow or bullock and 6 pies per sheep or goat.
(f) Out of this amount, Rs. 97 was realized by the sale of fodder grass and by leasing the right of collecting grazing fees.
(h) Enhanced rates of As. 8 per buffalo and As. 8 per cow or bullock. (i) Plough bullocks at 1 rupee each.
(k) Double rates at As. 12 per buffalo, As. 6 per bull or cow and As. 3 as per goat or sheep.
(m) The rates levied were As. 1-6 per cow or bullock and 9 pies per sheep.
(o) Cows allowed to graze in a second block on payment of a reduced fee of 1 anna in addition to the original fee of As. 3.
(q) Represents the cattle admitted free in the Tiruvannámalai range for the Malayalis on the hills.
(t) Daily rate for the cattle of the Mysore namadie tribes at As. 3 per 100 *per diem*.
(v) Includes Rs. 1,332 collected as impounding fees.

No. 53.

Madras Presidency during 1902–1903.

section 16 *of the Forest Act.*

At privileged rates.						Grazing free. Number of animals. By right under settlement.					Grazing free. Number of animals. During pleasure of Government or otherwise than under settlement.						Grand total of value at full and enhanced rates.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates for animals grazed free.	
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12,836
(c) 2,237	(c) 12,428	(c) 7,597	..	1,294	3,881	..	200	..	..	38	..	130	..	..	24	62	5,099
(e) 944	(e) 8,669	..	..	601	1,917	..	..	..	..	..	952	2,857	..	..	892	892	21,263
..	..	..	..	..	..	..	..	..	..	..	22	67	611	..	78	78	81,005
..	..	..	..	..	..	..	2,485	5,505	..	1,309	..	..	..	..	..	1,309	20,506
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,195
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19,801
3,181	21,097	7,597	..	1,895	5,798	..	2,685	5,505	..	1,347	974	3,054	611	..	994	2,341	2,00,705
..	(l) 99 (m) 77	(d and l) 200 (d and m) 257	..	44	76	..	1,900	..	..	356	..	..	..	..	..	356	36,981
9	1,832	..	..	230	347	..	..	..	..	..	..	..	..	..	..	..	40,307
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23,924
..	..	..	..	..	..	..	..	..	..	..	403	1,930	..	..	513	513	27,869
..	(o) 1,082	p and d 613	..	351	656	..	..	..	..	..	(q) 1,491	4,496	373	..	1,437	1,437	42,700
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,253
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,396
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15,263
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,329
9	3,090	1,070	..	625	1,079	..	1,900	..	..	356	1,894	6,426	373	..	1,950	2,306	2,44,022
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,733
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,790
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
..	(t) 1,840	..	..	26	920	..	..	..	..	..	..	..	..	..	..	..	9,901
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	39,270
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,704
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20,963
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,056
..	1,840	..	..	26	920	..	..	..	..	..	..	..	..	..	..	..	89,422
3,190	26,027	8,667	..	2,546	7,797	..	4,585	5,505	..	1,703	2,868	9,480	984	..	2,944	4,647	5,34,149

(b) The enhanced rates levied were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(d) Sheep. (e) Privileged rates at 1 anna per buffalo, 1 anna per cow or bull and 6 pies per sheep or goat.
(g) Enhanced rate of As. 8 per buffalo, As. 4 per cow or bull As. 2 per goat or sheep.
(j) Enhanced rates at As. 12 per buffalo, As. 8 per cow or bull and As. 3 per goat or sheep.
(l) The rates levied were As. 2 per cow or bullock and 1 anna per sheep.
(n) The enhanced rate of As. 4 per cow was levied on foreign cattle.
(p) Sheep allowed to graze in a second block, 116 at 1 anna extra and 497 at 6 pies extra.
(r) Amount realized by license fees and sale of grass. (s) Includes Rs. 105 paid for grazing contract.
(u) Eight annas are charged for foreign cows, bulls, &c., 1 rupee for foreign buffaloes and 4 annas for foreign sheep and goat.
(z) The distinction of reserved forests and reserved lands was not made in the issue of licenses for grazing.

FORM

Return of Grazing in the State Reserved lands of the

Districts.	Grazing on payment. Number of animals. At enhanced rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	At full rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
Northern Circle.					RS.					RS.
Ganjám	..	..	..	..	..	387	1,070	185	..	363
Gódávari	(a) 52	(a) 60	..	..	41	5,307	12,191	..	..	(b) 3,822
Kurnool	..	..	..	..	..	7,207	58,109	(c) 1,11,788	..	24,250
Bellary (d)	..	..	..	..	..	145	1,702	2,215	..	581
Total, Northern Circle ..	52	60	..	..	41	13,046	73,072	1,14,188	..	29,016
Central Circle.										
Nellore	..	..	..	..	..	1,322	2,212	2,940	..	{ 1,186 (e) 119
Trichinopoly	..	..	..	..	..	..	1,491	9,063	..	1,129
Total, Central Circle ..	..	..	..	..	..	1,322	3,703	12,003	..	2,434
Southern Circle.										
South Canara	..	..	..	..	..	228	2,032	..	..	467
The Nilgiris	..	..	..	..	..	..	24	..	..	12
North Coimbatore	707	25,395	242	..	6,733	..	..	..	..	..
Total, Southern Circle ..	707	25,395	242	..	6,733	228	2,056	..	..	479
Grand Total, Presidency ..	759	25,455	242	..	6,774	14,596	78,831	1,26,191	..	31,929

(a) The enhanced rates charged were As. 8 per buffalo, As. 4 per cow or bull and As. 3 per goat.
(c) Sheep.
(d) Includes leased forest.

No. 53—*cont.*

Madras Presidency during 1902–1903—*cont.*

Grazing free. At privileged rates. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	By right under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	During pleasure of Government or otherwise than under settlement. Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full and enhanced rates.
				RS.	RS.					RS.					RS.	RS.	RS.
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	363
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3,863
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,250
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	581
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	29,057
} ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,305
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1,129
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,434
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	467
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	887
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,733
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	8,087
..	..	..	..	..	..	2,333	..	..	..	875	..	..	..	..	..	875	39,578

(*b*) Includes Rs. 971 being the amount realized by the sale of pasture land, etc.
(*e*) Realized by the sale of head loads of grass.

Annual Form No. 54.

Forest Department, Madras Presidency.

Area of Plantations, Cultural Operations and Topes, 1902–1903.

District.		Number of plantations and topes.	Area in acres. On 1st July 1902.	Area in acres. Added during the year.	Area in acres. Excluded during the year.	Area in acres. Area on 30th June 1903.	Receipts. Of the year.	Charges. Of the year.
1		2	3	4	5	6	7	8
A. Regular Plantations.								
							RS.	RS.
Northern Circle.	Ganjám	1	348	..	..	348	292	90
	Gódávari	3	* 1,099	..	..	1,099	379	5,267
	Kistna	16	1,985	39	17	2,007	1,175	2,245
	Total, Northern Circle ..	20	3,432	39	17	3,454	1,846	7,602
Central Circle.	Cuddapah	8	2,100	..	..	2,100	169	467
	Nellore	13	5,759	895	..	6,654	27,177	13,792 —(*a*) 5,132
	Chingleput	..	† 222	..	..	222	50	122
	North Arcot	7	1,175	..	..	1,175	4,536	751
	South do.	11	5,171	..	..	5,171	8,012	1,941
	South Salem	2	..	6	..	6	..	4
	Tanjore	4	539	..	..	539	2,595	969
	Total, Central Circle ..	45	14,966	901	..	15,867	42,539	12,914
Southern Circle.	South Canara	2	122	..	..	122	370	144
	North Malabar	..	402	80	..	482	..	417 +(*a*) 1,203
	South do.	23	5,041	121	..	5,162	24,169	10,376
	The Nilgiris	22	1,645	..	..	1,645	17,386	13,678 —(*a*)13,678
	South Coimbatore ..	8	30	..	..	30	..	+(*a*) 261
	Madura	5	275	..	..	275	..	..
	Total, Southern Circle ..	60	7,515	201	..	7,716	41,925	12,401
	Grand Total, Regular Plantations, Presidency.	125	25,913	1,141	17	27,037	86,310	32,917
B. Cultural Operations.								
Northern Circle.	Ganjám	..	302	..	..	302	141	110
	Kistna	..	35	..	..	35	17	397
	Kurnool	..	..	..	..	..	..	59
	Bellary	..	173	5	25	153	..	829
	Anantapur	..	106	22	..	128	..	214
	Total, Northern Circle ..	..	616	27	25	618	158	1,609
Central Circle.	Cuddapah	..	597	..	..	597	..	228
	Nellore	..	865	639	376	1,128	..	..
	Chingleput	..	23	15	..	38	..	..
	North Arcot	..	585	..	..	585	..	50
	Trichinopoly	..	24 MLS. 91	6	..	30 MLS. 91	838	25
	Tanjore	..	1,161	..	..	1,161	275	19
	Total, Central Circle ..	..	3,255 MLS. 91	660	376	3,539 MLS. 91	1,113	322
Southern Circle.	The Nilgiris	..	488	..	..	488	..	4,224
	South Coimbatore ..	..	18	7	..	25	..	..
	Tinnevelly	..	5,608	..	..	5,608	1	386
	Total, Southern Circle ..	..	6,114	7	..	6,121	1	4,610
	Grand Total, Cultural Operations, Presidency.	..	9,985 MLS. 91	694	401	10,278 MLS. 91	1,272	6,541

* Reported to be the correct area.

† The closing balance in column 6 of the previous year's return is entered as 122. The variation has not been explained.

(*a*) Added or deducted as per Accountant-General's audited figures.

Area of Plantations, Cultural Operations and Topes, 1902–1903—*cont.*

District.	Number of plantations and topes.	Area in acres. On 1st July 1902.	Area in acres. Added during the year.	Area in acres. Excluded during the year.	Area in acres. Area on 30th June 1903.	Receipts. Of the year.	Charges. Of the year.
1	2	3	4	5	6	7	8
C. Topes.							
						RS.	RS.
Northern Circle. Ganjám	7	101	..	..	101	17	+(a) 72
Northern Circle. Vizagapatam	2	78	..	..	78	..	253
Northern Circle. Kistna	14	136	..	..	136	27	100 + (a) 86
Northern Circle. Kurnool	27	199	..	..	199	..	..
Northern Circle. Bellary	30	212	..	..	212	..	66
Northern Circle. Anantapur	905	2,885	..	..	2,885	..	..
Total, Northern Circle ..	985	3,611	..	..	3,611	44	577
Central Circle. Cuddapah	24	3,378	..	* 247	3,131	753	830 —(a) 451
Central Circle. Nellore	112	1,776	..	..	1,776	833	..
Central Circle. Chingleput	17	227	..	183	44	187	420
Central Circle. North Arcot	50	1,455	..	..	1,455	279	611
Central Circle. South do.	62	434	..	..	434	21	..
Central Circle. North Salem	65	923	..	5	918	597	.. —(a) 5
Central Circle. South do.	59	665	2	..	667	618	544 —(a) 446
Central Circle. Trichinopoly	19	573	..	..	573	568	96 +(a) 980
Total, Central Circle ..	408	9,431	2	435	8,998	3,856	2,579
Southern Circle. North Malabar	..	56	..	..	56	105	74
Southern Circle. South do.	1	20	..	..	20	..	..
Southern Circle. North Coimbatore ..	3	† 209	..	..	209	..	.. +(a) 115
Southern Circle. Tinnevelly	8	44	..	..	44	..	.. +(a) 2
Total, Southern Circle ..	12	329	..	..	329	105	191
Grand Total, Topes, Presidency ..	1,405	13,371	2	435	12,938	4,005	3,347
Northern Circle, Regular Plantations, Cultural operations and Topes ..	1,005	7,659	66	42	7,683	2,048	(c) 9,788
Central Circle, Regular Plantations, Cultural operations and Topes ..	453	27,652 MLS. 91	1,563	811	28,404 MLS. 91	47,508	15,815
Southern Circle, Regular Plantations, Cultural operations and Topes ..	72	13,958	208	..	14,166	42,031	(b) 17,202
Grand Total, Presidency ..	1,530	49,269 MLS. 91	1,837	853	50,253 MLS. 91	91,587	42,805

* Transferred to reserved forests after rectifying the areas.
† The area of one of these topes is reported to be not known.

(a) Added or deducted as per Accountant-General's audited figures.
(b) Besides Rs. 128 was spent under direction A-VIII (e).
(c) Besides Rs. 432 was spent under direction A-VIII (e).

FORM No. 55.

Forest Department, Madras Presidency.

OUTTURN (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Ganjám.																
Reserved forests—																
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,116	71,914	8,650	..	102,680	..	..	..	..	..	..	..	..	..	..	..
Total ..	24,625	72,634	8,650	..	105,909	6,264	552,987	..	..	559,251	665,160	276,340	1,725,655	84,900	..	2,086,895
Unreserved lands—																
Sál	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	20,934	141,042	5,450	..	167,426	..	..	..	..	..	..	..	..	..	..	..
Total ..	33,961	141,042	5,450	..	180,453	..	42,352	..	..	42,352	222,805	..	5,905	5,700	..	11,605
Grand Total ..	58,586	213,676	14,100	..	286,362	6,264	595,339	..	..	601,603	887,965	276,340	1,731,560	90,600	..	2,098,500
Vizagapatam.																
Reserved forests—																
Miscellaneous	2,181	45,071	..	..	47,252	148,712	216,694	..	..	365,406	412,658	250	1,010,600	..	..	1,010,850
Unreserved lands—																
Miscellaneous	550	24,616	..	..	25,166	23,540	6,307	..	..	29,847	55,013	800	6,150	..	..	6,950
Grand Total ..	2,731	69,687	..	..	72,418	172,252	223,001	..	..	395,253	467,671	1,050	1,016,750	..	..	1,017,800
Gódávari.																
Reserved forests—																
Teak	..	..	210	..	210	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	576	..	..	576	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,973	73,577	1,560	..	77,110	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,973	74,153	1,770	..	77,896	220,004	398,451	..	..	618,455	696,351	..	4,135,835	4,150	..	4,139,985

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NORTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Gódávari—cont.																
Unreserved lands—																
Teak	..	9,215	..	..	9,215	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	27	..	..	1,063	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	25	331,662	3,780	..	335,467	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,061	340,904	3,780	..	345,745	42,135	218,373	..	..	260,508	606,253	..	4,521,427	..	..	4,521,427
Grand Total ..	3,034	415,057	5,550	..	423,641	262,139	616,824	..	..	878,963	1,302,604	..	8,657,262	4,150	..	8,661,412
Kistna.																
Reserved forests—																
Miscellaneous	911	193,186	..	..	194,097	64,413	478,791	..	..	543,204	737,301	360	283,420	..	..	283,780
Reserved lands—																
Miscellaneous	..	1,068	..	..	1,068	..	2,243	..	..	2,243	3,311	..	..	..	..	..
Unreserved lands—																
Miscellaneous	635	172,672	3,445	..	176,752	..	24,132	..	..	24,132	200,884	..	80	..	..	80
Grand Total ..	1,546	366,926	3,445	..	371,917	64,413	505,166	..	..	569,579	941,496	360	283,500	..	..	283,860
Kurnool.																
Reserved forests—																
Teak	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	7,733	175,602	140	1,311	184,786	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,313	175,602	140	1,311	194,366	1,546,258	282,358	..	257,510	2,086,126	2,280,492	2,250	4,387,062	9,000	20,489	4,418,801
Reserved lands—																
Miscellaneous	..	8,280	..	..	8,280	..	37,338	..	..	37,338	45,618	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	1,502	354	..	1,856	19,054	136,611	..	..	155,665	157,521	..	..	..	..	..
Grand Total ..	17,313	185,384	494	1,311	204,502	1,565,312	456,307	..	257,510	2,279,129	2,483,631	2,250	4,287,062	9,000	20,489	4,418,801

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber. Government.	Timber. Purchasers.	Timber. Free-grantees.	Timber. Right-holders.	Timber. Total.	Fuel. Government.	Fuel. Purchasers.	Fuel. Free-grantees.	Fuel. Right-holders.	Fuel. Total.	Total. Outturn.	Bamboos. Government.	Bamboos. Purchasers.	Bamboos. Free-grantees.	Bamboos. Right-holders.	Bamboos. Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Northern Circle—*cont.*	C. FT.	C. FT.	C. FT.	C. FT	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Bellary.																
Reserved forests—																
Miscellaneous	..	..	..	..	..	..	4,360	..	..	4,360	4,360	..	1,550	200	..	1,750
Reserved lands—																
Teak	1,526	..	..	..	1,526	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	62,850	4,840	..	..	67,690	..	..	..	..	..	..	..	..	..	..	..
Total ..	64,500	4,840	..	..	69,340	255,950	46,003	..	..	301,953	371,293	1,100	102,274	..	..	103,374
Unreserved lands—																
Miscellaneous	..	173,446	1,689	..	175,135	..	206,677	..	..	206,677	381,812	..	..	..	..	..
Grand Total ..	64,500	178,286	1,689	..	244,475	255,950	257,040	..	..	512,990	757,465	1,100	103,824	200	..	105,124
Anantapur.																
Reserved forests—																
Miscellaneous	..	28,115	990	..	29,105	5,730	95,465	..	..	101,195	130,300	..	18,020	..	..	18,020
Unreserved lands—																
Miscellaneous	..	17,675	..	..	17,675	..	78,122	..	..	78,122	95,797	..	..	..	..	..
Grand Total ..	..	45,790	990	..	46,780	5,730	173,587	..	..	179,317	226,097	..	18,020	..	..	18,020
Central Circle.																
Cuddapah.																
Reserved forests—																
Rose wood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,945	66,415	3,080	..	71,440	..	..	..	..	..	..	..	..	..	..	..
Total ..	7,713	66,415	3,080	..	77,208	155,760	249,234	..	..	404,994	482,202	..	1,277,610	15,400	..	1,293,010
Unreserved lands—																
Miscellaneous	..	74,202	..	..	74,202	..	186,523	..	..	186,523	260,725	..	1,820	..	..	1,820
Grand Total ..	7,713	140,617	3,080	..	151,410	155,760	435,757	..	..	591,517	742,927	..	1,279,430	15,400	..	1,294,830

Outturn (in cubic feet solid) of Timber and Fuel during the year 1901-1902, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
CENTRAL CIRCLE—*cont.*																
Nellore.																
Reserved forests—Miscellaneous	1,417	7,418	1,610	..	10,445	370,789	284,925	..	..	655,714	666,159	..	11,060	..	..	11,060
Reserved lands—Miscellaneous	..	750	..	..	750	..	..	..	..	..	750	..	..	..	..	..
Unreserved lands—Miscellaneous	..	55,795	8,770	..	64,565	..	35,395	..	..	35,395	99,960	..	..	..	..	..
Grand Total ..	1,417	63,963	10,380	..	75,760	370,789	320,320	..	..	691,109	766,869	..	11,060	..	..	11,060
Chingleput.																
Reserved forests—Miscellaneous	..	..	..	..	..	18,568	42,440	..	..	61,008	61,008	..	182	..	..	182
Unreserved lands—Miscellaneous	..	45,048	..	..	45,048	33,984	134,634	..	..	168,618	213,666	..	3,298	..	..	3,298
Grand Total ..	..	45,048	..	..	45,048	52,552	177,074	..	..	229,626	274,674	..	3,480	..	..	3,480
North Arcot.																
Reserved forests—Sandalwood	269	..	..	..	269	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	2,681	8,978	40	..	11,699	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,950	8,978	40	..	11,968	73,590	896,900	380	..	970,870	982,838	..	3,681,229	200	..	3,681,429
Unreserved lands—Miscellaneous	..	27,300	200	..	27,500	..	389,480	..	..	389,480	416,980	..	..	..	..	..
Grand Total ..	2,950	36,278	240	..	39,468	73,590	1,286,380	380	..	1,360,350	1,399,818	..	3,681,229	200	..	3,681,429

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Arcot.																
Reserved forests—																
Sandalwood	10	..	..	..	10	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	2,888	..	..	2,888	..	..	..	..	..	..	..	..	..	..	..
Total ..	10	2,888	..	..	2,898	16,459	210,944	400	..	227,803	230,701	362	68,070	..	..	68,432
Unreserved lands— Miscellaneous	..	..	116	..	116	40	432,874	556	..	433,470	433,586	..	..	..	..	..
Grand Total ..	10	2,888	116	..	3,014	16,499	643,818	956	..	661,273	664,287	362	68,070	..	..	68,432
North Salem.																
Reserved forests— Miscellaneous	4,362	..	..	..	4,362	864,168	..	..	..	864,168	868,530	2,892	..	..	..	2,892
Unreserved lands—																
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,762	170,360	1,440	..	173,562	..	..	..	..	..	..	..	..	..	..	..
Total ..	3,052	170,360	1,440	..	174,852	27,160	198,293	..	..	225,453	400,305	..	2,756,950	1,000	..	2,757,950
Grand Total ..	7,414	170,360	1,440	..	179,214	891,328	198,293	..	..	1,089,621	1,268,835	2,892	2,756,950	1,000	..	2,760,842
South Salem																
Unreserved lands— Miscellaneous	1,835	213,088	4,626	..	219,549	708,164	189,887	..	..	898,051	1,117,600	2,050	4,045,400	6,450	..	4,053,900
Trichinopoly.																
Reserved forests— Miscellaneous	643	31,490	..	..	32,133	113,076	147,615	..	..	260,691	292,824	..	175,914	..	..	175,914
Reserved lands— Miscellaneous	..	966	..	..	966	..	3,419	..	..	3,419	4,385	..	3,258	..	..	3,258
Unreserved lands— Miscellaneous	46	703	1,726	..	2,475	31,596	1,262,159	..	..	1,293,755	1,296,230	..	205	130	..	335
Grand Total ..	689	33,159	1,726	..	35,574	144,672	1,413,193	..	..	1,557,865	1,593,439	..	179,377	130	..	179,507

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CENTRAL CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Tanjore.																
Reserved forests—																
Miscellaneous	..	21,759	..	..	21,759	..	44,130	..	..	44,130	65,889	..	..	..	..	..
Unreserved lands—																
Miscellaneous	..	52	..	..	52	28,492	298,155	..	..	326,647	326,699	..	2,200	..	..	2,200
Grand Total ..	..	21,811	..	..	21,811	28,492	342,285	..	..	370,777	392,588	..	2,200	..	..	2,200
SOUTHERN CIRCLE.																
South Canara.																
Reserved forests—																
Teak	1,602	200	..	..	1,802	..	..	..	..	..	..	..	..	..	..	..
Rosewood	271	150	..	..	421	..	..	..	..	..	..	..	..	..	..	..
Vengai	101	..	..	..	101	..	..	..	..	..	..	..	..	..	..	..
Ironwood	339	..	..	..	339	..	..	..	..	..	..	..	..	..	..	..
Hopea	116	100	..	..	216	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	1,014	3,600	..	..	4,614	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,223	13,153	..	..	14,376	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,666	17,203	..	..	21,869	2,308	357,707	..	..	360,015	381,884	382	89,777	..	..	90,159
Reserved lands—																
Teak	82	125	..	..	207	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Vengai	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	220	..	..	..	220	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	125	..	..	347	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	193	225	..	..	418	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	848	775	..	..	1,623	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,795	1,250	..	..	3,045	44	880	..	..	924	3,969	..	4,175	..	..	4,175

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO	NO.	NO.	NO.	NO.
South Canara—cont.																
Unreserved lands—																
Teak	91	250	..	..	341	..	..	..	..	..	..	..	..	..	..	..
Rosewood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Ironwood	49	125	..	..	174	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	483	4,451	..	..	4,934	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,008	6,101	..	..	7,109	265	441,822	..	..	442,087	449,196	..	10,710	..	..	10,710
Grand Total ..	7,469	24,554	..	..	32,023	2,617	800,409	..	..	803,026	835,049	382	104,662	..	..	105,044
North Malabar.																
Reserved Forests—																
Teak	76,578	2,180	20	..	78,778	..	..	..	..	..	..	..	..	..	..	..
Vengai	12,783	40	..	..	12,823	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	13,544	1,113	5,300	..	19,957	..	..	..	..	..	..	..	..	..	..	..
Total ..	102,905	3,333	5,320	..	111,558	..	2,820	3,880	..	6,700	118,258	..	20,092	2,750	..	22,842
South Malabar.																
Reserved forests—																
Teak	2,627	17,162	..	..	19,789	..	..	..	..	..	..	..	..	..	..	..
Rosewood	71	1,075	..	..	1,146	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	418	..	..	418	..	..	..	..	..	..	..	..	..	..	..
Ironwood	712	17,210	..	..	17,922	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	5,817	..	..	5,817	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	196	28,993	..	..	29,189	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	5,477	102,253	..	..	107,730	..	..	..	..	..	..	..	..	..	..	..
Total ..	9,083	172,928	..	..	182,011	59,903	55,387	..	..	115,290	297,301	11,150	65,175	..	..	76,325

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
South Malabar—cont.																
Reserved lands—																
Teak	27,579	3,439	..	..	31,018	..	..	..	..	..	..	..	..	..	..	..
Blackwood	..	127	..	..	127	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,412	15,512	..	..	59,924	..	..	..	..	..	..	..	..	..	..	..
Hopea	..	18	..	..	18	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	281	1,958	..	..	2,239	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	25,819	22,078	..	..	47,897	..	..	..	..	..	..	..	..	..	..	..
Total ..	98,091	43,132	..	..	141,223	209	..	..	..	209	141,432	13,880	18,996	..	..	32,876
Unreserved lands—																
Teak	11	..	..	..	11	..	..	..	..	..	..	..	..	..	..	..
Ironwood	210	72	..	..	282	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	356	219	..	..	575	..	..	..	..	..	..	..	..	..	..	..
Total ..	577	291	..	..	868	..	..	..	..	..	868	..	..	..	..	..
Grand Total ..	107,751	216,351	..	..	324,102	60,112	55,387	..	..	115,499	439,601	25,030	84,171	..	..	109,201
The Nilgiris.																
Reserved forests—																
Teak	3,085	233	..	..	3,318	..	..	..	..	..	..	..	..	..	..	..
Rosewood	745	105	..	..	850	..	..	..	..	..	..	..	..	..	..	..
Vengai	661	48	..	..	709	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	65	..	..	..	65	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	135	..	..	..	135	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	..	4,222	18	..	4,240	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,691	4,608	18	..	9,317	328,696	28,517	1,086	186	358,485	367,802	2,961	369,381	1,775	..	374,117
Reserved lands—																
Miscellaneous	..	..	..	680	680	..	..	1,090	203	1,293	1,973	..	..	965	1,525	2,490
Unreserved lands—																
Miscellaneous	..	..	..	..	..	..	..	168	..	168	168	..	..	..	..	..
Grand Total ..	4,691	4,608	18	680	9,997	328,696	28,517	2,344	389	359,946	369,943	2,961	369,381	2,740	1,525	376,607

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
North Coimbatore.																
Reserved forests—																
Teak	551	..	..	..	551	..	..	..	..	..	..	..	..	..	..	..
Vengai	575	..	125	..	700	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,717	..	..	..	1,717	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	14,571	23,451	..	..	38,022	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,414	23,451	125	..	40,990	..	286,370	..	..	286,370	327,360	3,265	4,107,300	..	..	4,110,565
Unreserved lands—																
Miscellaneous	..	1,307	464	..	1,771	..	33,406	190	..	33,596	35,367	..	2,200	2,000	..	4,200
Grand Total ..	17,414	24,758	589	..	42,761	..	319,776	190	..	319,966	362,727	3,265	4,109,500	2,000	..	4,114,765
South Coimbatore.																
Reserved forests—																
Teak	24,813	17,200	..	..	42,013	..	..	..	..	..	..	..	..	..	..	..
Rosewood	1,526	1,650	..	..	3,176	..	..	..	..	..	..	..	..	..	..	..
Vengai	..	174	..	..	174	..	..	..	..	..	..	..	..	..	..	..
Ironwood	38	..	..	..	38	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,570	80,844	..	..	84,414	..	..	..	..	..	..	..	..	..	..	..
Total ..	29,947	99,868	..	..	129,815	130,965	836,326	..	..	967,291	1,097,106	2,244	2,198,050	..	..	2,200,294
Unreserved lands—																
Miscellaneous	..	1,888	..	..	1,888	..	17,413	..	..	17,413	19,301	..	..	..	..	..
Grand Total ..	29,947	101,756	..	..	131,703	130,965	853,739	..	..	984,704	1,116,407	2,244	2,198,050	..	..	2,200,294
Madura.																
Reserved forests—																
Miscellaneous	..	6,618	..	..	6,618	1,636,697	295,405	..	..	1,932,102	1,938,720	..	119,208	..	..	119,208
Unreserved lands—																
Miscellaneous	677	115,081	..	..	115,758	..	178,483	..	..	178,483	294,241	..	..	..	..	..
Grand Total ..	677	121,699	..	..	122,376	1,636,697	473,888	..	..	2,110,585	2,232,961	..	119,208	..	..	119,208

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Tinnevelly.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Teak	98	..	..	..	98	..	..	..	..	..	..	..	..	..	..	..
Hopea	900	..	..	..	900	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	910	33,388	..	..	34,298	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,908	33,388	..	..	35,296	8,114	775,014	..	..	783,128	818,424	..	68,540	..	..	68,540
Unreserved lands—																
Miscellaneous	..	..	500	..	500	..	249,967	..	..	249,967	250,467	..	25,200	..	..	25,200
Grand total ..	1,908	33,388	500	..	35,796	8,114	1,024,981	..	..	1,033,095	1,068,891	..	93,740	..	..	93,740
							Abstract.									
NORTHERN CIRCLE.																
Reserved forests—																
Teak	6	..	210	..	216	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Ironwood	..	576	..	..	576	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	34,914	587,465	11,340	1,311	635,030	..	..	..	..	..	..	..	..	..	..	..
Total ..	47,003	588,761	11,550	1,311	648,625	1,991,381	2,029,106	..	257,510	4,277,997	4,926,622	279,200	11,562,142	98,250	20,489	11,960,081
Reserved lands—																
Teak	1,526	..	..	..	1,526	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	62,850	14,188	..	..	77,038	..	..	..	..	..	..	..	..	..	..	..
Total ..	64,500	14,188	..	..	78,688	255,950	85,584	..	..	341,534	420,222	1,100	102,274	..	..	103,374
Unreserved lands—																
Teak	..	9,215	..	..	9,215	..	..	..	..	..	..	..	..	..	..	..
Sál	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	27	..	..	1,063	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	22,144	862,615	14,718	..	899,477	..	..	..	..	..	..	..	..	..	..	..
Total ..	36,207	871,857	14,718	..	922,782	84,729	712,574	..	..	797,303	1,720,085	800	4,533,562	5,700	..	4,540,062
Grand Total ..	147,710	1,474,806	26,268	1,311	1,650,095	2,332,060	2,827,264	..	257,510	5,416,834	7,066,929	281,100	16,197,978	103,950	20,489	16,603,517

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
						Abstract—cont.										
CENTRAL CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests—																
Rosewood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	279	..	..	..	279	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	11,048	138,948	4,730	..	154,726	..	..	..	..	..	..	..	..	..	..	..
Total ..	17,095	138,948	4,730	..	160,773	1,612,410	1,876,188	780	..	3,489,378	3,650,151	3,254	5,214,065	15,600	..	5,232,919
Reserved lands—																
Miscellaneous	..	1,716	..	..	1,716	..	3,419	..	..	3,419	5,135	..	3,258	..	..	3,258
Unreserved lands—																
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	3,643	586,548	16,878	..	607,069	..	..	..	..	..	..	..	..	..	..	..
Total ..	4,933	586,548	16,878	..	608,359	829,436	3,127,400	556	..	3,957,392	4,565,751.	2,050	6,809,873	7,580	..	6,819,503
Grand Total ..	22,028	727,212	21,608	..	770,848	2,441,846	5,007,007	1,336	..	7,450,189	8,221,037	5,304	12,027,196	23,180	..	12,055,680
SOUTHERN CIRCLE.																
Reserved forests—																
Teak	109,354	36,975	20	..	146,349	..	..	..	..	..	..	..	..	..	..	..
Rosewood	2,613	2,980	..	..	5,593	..	..	..	..	..	..	..	..	..	..	..
Vengai	14,120	680	125	..	14,925	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,089	17,210	..	..	18,299	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,782	..	..	..	1,782	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,016	5,917	..	..	6,933	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	1,345	32,593	..	..	33,938	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	39,295	265,042	5,318	..	309,655	..	..	..	..	..	..	..	..	..	..	..
Total ..	170,614	361,397	5,463	..	537,474	2,166,683	2,637,546	4,966	186	4,809,381	5,346,855	20,002	7,037,523	4,525	..	7,062,050
Reserved lands—																
Teak	27,661	3,564	..	..	31,225	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	127	..	..	251	..	..	..	..	..	..	..	..	..	..	..
Vengai	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,632	15,512	..	..	60,144	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	143	..	..	365	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	474	2,183	..	..	2,657	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	26,667	22,853	..	680	50,200	..	..	..	..	..	..	..	..	..	..	..
Total ..	99,886	44,382	..	680	144,948	253	880	1,090	203	2,426	147,374	13,880	23,171	965	1,525	39,541

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902-1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
							Abstract—cont.									
SOUTHERN CIRCLE—*cont.*	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Unreserved lands—																
Teak	102	250	..	..	352	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Ironwood	259	197	..	..	456	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Rosewood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	1,516	122,946	964	..	125,426	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,262	124,668	964	..	127,894	265	921,091	358	..	921,714	1,049,608	..	38,110	2,000	..	40,110
Grand Total ..	272,762	530,447	6,427	680	810,316	2,167,201	3,559,517	6,414	389	5,733,521	6,543,837	33,882	7,098,804	7,490	1,525	7,141,701
NORTHERN CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Teak	1,532	9,215	210	..	10,957	..	..	..	..	..	..	..	..	..	..	..
Vengai	6,311	..	..	..	6,311	..	..	..	..	..	..	..	..	..	..	..
Sál	15,536	720	..	..	16,256	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,036	603	..	..	1,639	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	3,263	..	..	..	3,263	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	119,908	1,464,268	26,058	1,311	1,611,545	..	..	..	..	..	..	..	..	..	..	..
Total ..	147,710	1,474,806	26,268	1,311	1,650,095	2,332,060	2,827,264	..	257,510	5,416,834	7,066,929	281,100	16,197,978	103,950	20,489	16,603,517
CENTRAL CIRCLE.																
Reserved forests, reserved lands and unreserved lands—																
Rosewood	5,768	..	..	..	5,768	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,569	..	..	..	1,569	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	14,691	727,212	21,608	..	763,511	..	..	..	..	..	..	..	..	..	..	..
Total ..	22,028	727,212	21,608	..	770,848	2,441,846	5,007,007	1,336	..	7,450,189	8,221,037	5,304	12,027,196	23,180	..	12,055,680

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Abstract—cont.																
SOUTHERN CIRCLE.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Reserved forests, reserved lands and unreserved lands—																
Teak	137,117	40,789	20	..	177,926	..	..	..	..	..	..	..	..	..	..	..
Rosewood	2,833	3,207	..	..	6,040	..	..	..	..	..	..	..	..	..	..	..
Vengai	14,248	680	125	..	15,053	..	..	..	..	..	..	..	..	..	..	..
Ironwood	45,980	32,919	..	..	78,899	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,782	..	..	..	1,782	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,473	6,935	..	..	8,408	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa ..	1,851	35,076	..	..	36,927	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	67,478	410,841	6,282	680	485,281	..	..	..	..	..	..	..	..	..	..	..
Total ..	272,762	530,447	6,427	680	810,316	2,167,201	3,559,517	6,414	389	5,733,521	6,543,837	33,882	7,098,804	7,490	1,525	7,141,701
Presidency Abstract.																
Reserved forests—																
Teak	109,360	36,975	230	..	146,565	..	..	..	..	..	..	..	..	..	..	..
Rosewood	8,381	2,980	..	..	11,361	..	..	..	..	..	..	..	..	..	..	..
Vengai	20,431	680	125	..	21,236	..	..	..	..	..	..	..	..	..	..	..
Sál	2,509	720	..	..	3,229	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,089	17,786	..	..	18,875	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	2,061	..	..	..	2,061	..	..	..	..	..	..	..	..	..	..	..
Hopea	1,016	5,917	..	..	6,933	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	4,608	32,593	..	..	37,201	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	85,257	991,455	21,388	1,311	1,099,411	..	..	..	..	..	..	..	..	..	..	..
Total ..	234,712	1,089,106	21,743	1,311	1,346,872	5,770,474	6,542,840	5,746	257,696	12,576,756	13,923,628	302,456	23,813,730	118,375	20,489	24,255,050
Reserved lands—																
Teak	29,187	3,564	..	..	32,751	..	..	..	..	..	..	..	..	..	..	..
Rosewood	124	127	..	..	251	..	..	..	..	..	..	..	..	..	..	..
Vengai..	106	..	..	..	106	..	..	..	..	..	..	..	..	..	..	..
Ironwood	44,632	15,512	..	..	60,144	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	124	..	..	..	124	..	..	..	..	..	..	..	..	..	..	..
Hopea	222	143	..	..	365	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	474	2,183	..	680	2,657	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	89,517	38,757	..	..	128,954	..	..	..	..	..	..	..	..	..	..	..
Total ..	164,386	60,286	..	680	225,352	256,203	89,883	1,090	203	347,379	572,731	14,980	128,703	965	1,525	146,173

Outturn (in cubic feet solid) of Timber and Fuel during the year 1902–1903, and Agency of Exploitation—*cont.*

Presidency Abstract—cont.

District.	Timber.					Fuel.					Total.	Bamboos.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.	Government.	Purchasers.	Free-grantees.	Right-holders	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	C. FT.	NO.	NO.	NO.	NO.	NO.
Unreserved lands—																
Teak	102	9,465		..	9,567	..	..	..	..	..	..	..	..	..	..	..
Rose wood	96	100	..	..	196	..	..	..	..	..	..	..	..	..	..	..
Vengai	22	..	..	..	22	..	..	..	..	..	..	..	..	..	..	..
Sal	13,027	..	..	..	13,027	..	..	..	..	..	..	..	..	..	..	..
Ironwood	1,295	224	..	..	1,519	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	1,290	..	..	..	1,290	..	..	..	..	..	..	..	..	..	..	..
Hopea	235	875	..	..	1,110	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	32	300	..	..	332	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	27,303	1,572,109	32,560	..	1,631,972	..	..	..	..	..	..	..	..	..	..	..
Total ..	43,402	1,583,073	32,560	..	1,659,035	914,430	4,761,065	914	..	5,676,409	7,335,444	2,850	11,381,545	15,280	..	11,399,675
Reserved forests, reserved lands and unreserved lands—																
Tectona grandis (teak) ..	138,649	50,004	230	..	188,883	..	..	..	..	..	..	..	..	..	..	..
Dalbergia latifolia (rosewood).	8,601	3,207	..	..	11,808	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus marsupium (vengai)	20,559	680	125	..	21,364	..	..	..	..	..	..	..	..	..	..	..
Pterocarpus santalinus (redwood)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Shorea robusta (Sâl)	15,536	720	..	..	16,256	..	..	..	..	..	..	..	..	..	..	..
Xylia dolabriformis (ironwood).	47,016	33,522	..	..	80,538	..	..	..	..	..	..	..	..	..	..	..
Santalum album (sandalwood).	3,475	..	..	..	3,475	..	..	..	..	..	..	..	..	..	..	..
Hopea parviflora	1,473	6,935	..	..	8,408	..	..	..	..	..	..	..	..	..	..	..
Terminalia tomentosa	5,114	35,076	..	..	40,190	..	..	..	..	..	..	..	..	..	..	..
Miscellaneous	202,077	2,602,321	53,948	1,991	2,860,337	..	..	..	..	..	..	..	..	..	..	..
Presidency total ..	442,500	2,732,465	54,303	1,991	3,231,259	6,941,107	11,393,788	7,750	257,899	18,600,544	21,831,803	320,286	35,323,978	134,620	22,014	35,800,898

ANNUAL FORM No. 56.

Forest Department, Madras Presidency.

OUTTURN of Minor Forest Produce during the year 1902–1903.

Circles.	Description of produce.	Produce removed or utilized. By Government Agency. Quantity.		By Government Agency. Value.	By purchasers. Quantity.	By purchasers. Value.	By free grants. Quantity.	By free grants. Value.	By right-holders. Quantity.	By right-holders. Value.	Total. Quantity.	Total. Value.
1	2	3		4	5	6	7	8	9	10	11	12
				RS.		RS.		RS.		RS.		RS.
Northern Circle.	Grass and grazing		..	..	..	2,29,294	..	27	..	1,309	..	2,30,630
	Stones, gravel, earth, &c.		..	..	..	9,639	..	85	..	..	..	9,724
	Tamarind, soapnuts and gallnuts ..	Maunds	350	108	..	42,238	..	..	..	38,650	..	80,996
	Horns, honey, wax, nux-vomica, &c.		..	..	..	1,010	..	..	..	..	..	1,010
	Tangedu, &c., barks		..	..	..	42,554	..	..	..	..	..	42,554
	Miscellaneous	Maunds	150	..	..	1,13,303	..	83	..	300	..	1,13,686
	Total ..	Maunds	500	108	..	4,38,038	..	195	..	40,259	..	4,78,600
Central Circle.	Grass and grazing	Maunds	4,390	97	..	2,52,776	..	1,439	..	356	..	2,54,668
	Stones, gravel, earth, &c.		..	..	..	9,141	..	..	..	..	..	9,141
	Tamarind, soapnuts and gallnuts ..	Maunds	983	374	..	48	..	..	..	..	..	422
	Horns, honey, wax, nux-vomica, &c.	,,	2,250	2,860	..	187	..	..	..	..	..	3,047
	Tangedu, &c., barks	,,	52	19	..	19,582	..	..	..	..	..	19,601
	Mica		..	..	..	21,123	..	..	..	..	..	21,123
	Miscellaneous	Maunds	3,434	1,358	..	1,49,121	..	83	..	..	..	1,50,562
	Total ..	Maunds	11,109	4,708	..	4,51,978	..	1,522	..	356	..	4,58,564
Southern Circle.	Grass and grazing		..	..	..	98,120	..	..	..	32	..	98,152
	Stones, gravel, earth, &c.		..	..	..	3,168	..	..	..	..	..	3,168
	Tamarind, soapnuts and gallnuts ..	Maunds	15,631	10,470	..	2,580	..	..	..	..	..	13,050
	Horns, honey, wax, &c.	,,	887	6,227	..	..	..	..	..	..	..	6,227
	Tangedu, &c., barks	,,	9,796	6,532	..	3,757	..	..	..	..	..	10,289
	Catechu	,,	1,408	11,313	..	..	..	..	..	..	..	11,313
	Miscellaneous	,,	4,048	5,545	..	56,359	..	14	..	1,472	..	63,390
	Total ..	Maunds	31,770	40,087	..	1,63,984	..	14	..	1,504	..	2,05,589
	Grand Total ..	Maunds	43,379	44,903	..	10,54,000	..	1,731	..	42,119	..	11,42,753

Annual Form No. 57.

Forest Department, Madras Presidency.

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1902–1903.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
TIMBER (cubic feet).					
Northern Circle.					
Ganjám	23,562	58,586	82,148	64,597	17,551
Vizagapatam	506	2,731	3,237	629	2,608
Gódávari	3,081	3,034	6,115	3,451	2,664
Kistna	55	1,546	1,601	1,556	45
Kurnool	4,261	17,313	21,574	10,138	11,436
Bellary	52,442	64,500	116,942	20,080	96,862
Anantapur	..	..	..	..	..
Total ..	83,907	147,710	231,617	100,451	131,166
Central Circle.					
Cuddapah	32,809	7,713	40,522	39,226	1,296
Nellore	298	1,417	1,715	1,715	..
Chingleput	..	..	..	..	..
North Arcot	49	2,950	2,999	489	2,510
South do.	498	10	508	52	456
North Salem	700	7,414	8,114	6,753	1,361
South do.	389	1,835	2,224	1,409	815
Trichinopoly	..	689	689	689	..
Tanjore	..	..	..	..	..
Total ..	34,743	22,028	56,771	50,333	6,438
Southern Circle.					
South Canara	72,470	7,469	79,939	14,655	65,284
Malabar (North)	195,640	102,905	298,545	84,777	213,768
Do. (South)	20,205	107,751	127,956	105,680	22,276
The Nilgiris	23,085	4,691	27,776	6,824	20,952
Coimbatore (North)	6,112	17,414	23,526	4,567	18,959
Do. (South)	134,203	29,947	164,150	43,751	120,399
Madura	152	677	829	252	577
Tinnevelly	153	1,908	2,061	1,331	730
Total ..	452,020	272,762	724,782	261,837	462,945
Grand Total ..	570,670	442,500	1,013,170	412,621	600,549
FUEL (cubic feet).					
Northern Circle.					
Ganjám	..	6,264	6,264	3,244	3,020
Vizagapatam	5,530	172,252	177,782	164,912	12,870
Gódávari	7,803	262,139	269,942	167,821	102,121
Kistna	3,640	64,413	68,053	53,636	14,417
Kurnool	187,903	1,565,312	1,753,215	1,368,652	384,563
Bellary	109,840	255,950	365,790	313,310	52,480
Anantapur	..	5,730	5,730	5,730	..
Total ..	314,716	2,332,060	2,646,776	2,077,305	569,471
Central Circle.					
Cuddapah	62,742	155,760	218,502	110,527	107,975
Nellore	15,696	370,789	386,485	363,456	23,029
Chingleput	1,710	52,552	54,262	33,322	20,940
North Arcot	898	73,590	74,488	72,609	1,879
South do.	1,107	16,499	17,606	14,942	2,664
North Salem	175	891,328	891,503	887,999	3,504
South do.	121,347	708,164	829,511	672,884	156,627
Trichinopoly	44,383	144,672	189,055	168,384	20,671
Tanjore	26,400	28,492	54,892	38,557	16,335
Total ..	274,458	2,441,846	2,716,304	2,362,680	353,624
Southern Circle.					
South Canara	..	2,617	2,617	2,617	..
Malabar (North)	..	..	..	..	..
Do. (South)	337	60,112	60,449	295	60,154
The Nilgiris	218,097	328,696	546,793	373,889	172,904
Coimbatore (North)	2,412	..	2,412	..	2,412
Do. (South)	56,880	130,965	187,845	152,373	35,472
Madura	17,340	1,636,697	1,654,037	1,610,941	43,096
Tinnevelly	..	8,114	8,114	8,114	..
Total ..	295,066	2,167,201	2,462,267	2,148,229	314,038
Grand Total ..	884,240	6,941,107	7,825,347	6,588,214	1,237,133

Account of Timber cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1902–1903—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
1	2	3	4	5	6
MINOR FOREST PRODUCE (MAUNDS OF 25 LB.).					
Northern Circle.					
Ganjám	..	150	150	..	150
Vizagapatam	..	..	..	..	..
Gódávari	..	350	350	350	..
Kistna	5	..	5	5	..
Kurnool	..	..	..	..	..
Bellary	..	..	..	..	..
Anantapur	..	..	..	..	..
Total ..	5	500	505	355	150
Central Circle.					
Cuddapah	..	350	350	..	350
Nellore	3,407	3,522	6,929	5,580	1,349
Chingleput	..	..	..	..	..
North Arcot	..	604	604	64	540
South do.	2,737	3,111	5,848	5,341	507
North Salem	..	313	313	..	313
South do.	4,716	3,209	7,925	4,813	3,112
Trichinopoly	25	..	25	25	..
Tanjore	12	..	12	4	8
Total ..	10,897	11,109	22,006	15,827	6,179
Southern Circle.					
South Canara	917	2,727	3,644	3,365	279
Malabar (North)	54	113	167	46	121
Do. (South)	..	..	..	..	..
The Nilgiris	3,210	3,691	6,901	1,611	5,290
Coimbatore (North)	3,264	20,877	24,141	11,982	12,159
Do. (South)	73	4,362	4,435	3,869	566
Madura	..	..	..	..	..
Tinnevelly	19	..	19	19	..
Total ..	7,537	31,770	39,307	20,892	18,415
Grand Total ..	18,439	43,379	61,818	37,074	24,744
BAMBOOS (NUMBER).					
Northern Circle.					
Ganjám	..	276,340	276,340	270,940	5,400
Vizagapatam	..	1,050	1,050	1,050	..
Gódávari	..	..	..	..	..
Kistna	264	360	624	507	117
Kurnool	..	2,250	2,250	2,250	..
Bellary	548	1,100	1,648	100	1,548
Anantapur	..	..	..	..	..
Total ..	812	281,100	281,912	274,847	7,065
Central Circle.					
Cuddapah	..	..	..	..	..
Nellore	..	..	..	..	..
Chingleput	..	..	..	..	..
North Arcot	..	..	..	..	..
South do.	3	362	365	365	..
North Salem	1	2,892	2,893	2,758	135
South do.	..	2,050	2,050	2,050	..
Trichinopoly	..	..	..	..	..
Tanjore	..	..	..	..	..
Total ..	4	5,304	5,308	5,173	135
Southern Circle.					
South Canara	1,288	382	1,670	1,670	..
Malabar (North)	..	..	..	..	..
Do. (South)	11,702	25,030	36,732	36,612	120
The Nilgiris	..	2,961	2,961	2,961	..
Coimbatore (North)	..	3,265	3,265	3,265	..
Do. (South)	..	2,244	2,244	1,376	868
Madura	..	..	..	..	..
Tinnevelly	..	..	..	..	..
Total ..	12,990	33,882	46,872	45,884	988
Grand Total ..	13,806	320,286	334,092	325,904	8,188

Annual Form No. 58.

Forest Department, Madras Presidency.

Statement showing the Value of Timber and other Produce at sale depots for the year 1902–1903.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year
1	2	3	4	5	6	7	8	9	10
	Northern Circle.			RS.			RS.	RS.	RS.
Ganjám	Sál	..	7,057	2,646	..	6,529	2,448	..	198
	Miscellaneous	..	16,505	4,125		11,022	2,755	..	1,370
	Total, timber	..	23,562	6,771	..	17,551	5,203	..	1,568
	Fuel	..	..	..	..	3,020	283	283	..
	Minor produce	..	..	..	MDS. 150	..	150	150	..
	Bamboos	..	..	..	5,400	..	34	34	..
Vizagapatam.	Miscellaneous timber	..	506	408	..	2,608	1,846	1,438	..
	Fuel	..	5,530	214	..	12,870	420	206	..
Gódávari	Miscellaneous timber	..	3,081	2,633	..	2,664	1,664	..	969
	Fuel	..	7,803	4,583	..	102,121	6,384	1,801	..
Kistna	Miscellaneous timber	..	55	50	..	45	7	..	43
	Bamboos	5	..	5	117	..	45	40	..
	Fuel	..	3,640	1,493	..	14,417	1,205	..	288
	Minor produce	MDS. 5	..	4	..	..	..	..	4
Kurnool	Teak	..	12	12	..	..	..	..	12
	Miscellaneous	..	4,249	4,343	..	11,436	8,577	4,234	..
	Total, timber	..	4,261	4,355	..	11,436	8,577	4,222	..
	Fuel	..	187,903	11,052	..	384,563	22,620	11,568	..
Bellary	Teak	..	902	50	..	1,026	57	7	..
	Miscellaneous timber	..	51,540	1,800	..	95,836	3,500	1,700	..
	Total, timber	..	52,442	1,850	..	96,862	3,557	1,707	..
	Fuel	..	109,840	9,985	..	52,480	4,892	..	5,093
	Bamboos	548	.	32	1,548	..	221	189	..
Anantapur.	....	..	..	..	..	..	..	..	..
	Central Circle.								
Cuddapah	Miscellaneous timber	..	32,809	9,797	..	1,296	388	.	9,409
	Fuel	..	62,742	3,016	..	107,975	5,190	2,174	..
	Minor produce	..	..	..	MDS. 350	..	20	20	..
Nellore	Miscellaneous timber	..	298	62	..	.	..	..	62
	Fuel	..	15,696	1,759	..	23,029	1,893	134	..
	Minor produce	MDS. 3,407	..	2,585	MDS. 1,349	..	1,576	..	1,009
Chingleput.	Fuel	..	1,710	17	..	20,940	209	192	..
North Arcot.	Miscellaneous timber	..	49	133	..	2,510	359	226	..
	Fuel	..	898	95	..	1,879	187	92	..
	Minor produce	..	..	..	MDS. 540	..	50	50	..
South Arcot.	Miscellaneous timber	..	498	60	..	456	55	..	5
	Fuel	..	1,107	60	..	2,664	125	65	..
	Bamboos	3	..	.	..	..	..	..	..
	Minor produce	MDS. 2,737	..	18,403	MDS. 507	..	3,672	..	14,731
North Salem.	Sandalwood	..	289	2,890	..	152	1,520	..	1,370
	Miscellaneous	..	411	282	..	1,209	1,174	892	..
	Total, timber	..	700	3,172	..	1.361	2,694	..	478
	Fuel	..	175	4	..	3,504	73	69	..
	Bamboos	1	..	1	135	..	114	113	..
	Minor produce	..	..	..	MDS. 313	..	2	2	..

Statement showing the Value of Timber and other Produce at sale depots, etc.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
				RS.			RS.	RS.	RS.
South Salem.	Sandalwood ..	..	51	510	..	15	150	..	360
	Miscellaneous ..	..	338	310	..	800	600	290	..
	Total, timber ..	..	389	820	..	815	750	..	70
	Fuel	..	121,347	2,528	..	156,627	9,779	7,251	..
	Minor produce ..	MDS. 4,716	..	997	MDS. 3,112	..	210	..	787
Trichinopoly	Fuel	..	44,383	7,228	..	20,671	3,640	..	3,588
	Minor produce ..	MDS. 25	..	87	..	..	..	..	87
Tanjore ..	Fuel	..	26,400	3,960	..	16,335	2,178	..	1,782
	Minor produce ..	MDS. 12	..	7	MDS. 8	..	5	..	2
	Southern Circle.								
South Canara.	Miscellaneous ..	..	72,470	3,233	..	65,284	2,225	..	1,008
	Bamboos ..	1,288	..	129	..	..	..	..	129
	Minor produce ..	MDS. 917	..	3,338	279	..	834	..	2,504
North Malabar.	Teak	..	79,621	44,787	..	91,424	51,426	6,639	..
	Rosewood ..	..	2,660	1,497	..	3,219	1,811	314	..
	Vengai	..	18,886	10,623	..	30,882	17,471	6,848	..
	Miscellaneous ..	..	94,473	11,809	..	88,243	11,030	..	779
	Total, timber ..	..	195,640	68,716	..	213,768	81,738	13,022	..
	Minor produce ..	MDS. 54	..	638	MDS. 121	..	826	188	..
South Malabar.	Teak	..	15,953	9,415	..	16,028	7,326	..	2,089
	Rosewood ..	..	..			72			
	Ironwood ..	..	3,455			1,394			
	Terminalia tomentosa ..	..	698			603			
	Miscellaneous ..	..	99			4,179			
	Total, timber ..	..	20,205	9,415	..	22,276	7,326	..	2,089
The Nilgiris.	Fuel	..	337	45	..	60,154	3,750	3,705	..
	Bamboos ..	11,702	..	230	120	..	2	..	228
	Teak	..	34	101	..	60	210	109	..
	Miscellaneous ..	..	23,051	1,843	..	20,892	1,750	..	93
	Total, timber ..	..	23,085	1,944	..	20,952	1,960	16	..
	Fuel	..	218,097	1,783	..	172,904	10,806	9,023	..
	Minor produce ..	MDS. 3,210	..	2,900	MDS. 5,290	..	4,500	1,600	..
North Coimbatore.	Teak	..	1,122	1,200	..	632	632	..	568
	Vengai	..	1,228	1,240	..	812	610	..	630
	Sandalwood ..	..	2,527	25,270	..	2,945	41,223	15,953	..
	Miscellaneous ..	..	1,235	950	..	14,570	7,363	6,413	..
	Total, timber ..	..	6,112	28,660	..	18,959	49,828	21,168	..
	Fuel	..	2,412	38	..	2,412	38	..	..
	Minor produce ..	MDS. 3,264	..	4,238	MDS. 12,159	..	11,538	7,300	..
South Coimbatore.	Teak	..	2,929	6,173	..	3,813	8,730	2,557	..
	Rosewood ..	..	128	384	..	25	44	..	340
	Miscellaneous ..	..	131,146	6,913	..	116,561	3,933	..	2,980
	Total, timber ..	..	134,203	13,470	..	120,399	12,707	..	763
	Fuel	..	56,880	1,027	..	35,472	745	..	282
	Minor produce ..	MDS. 73	..	4	MDS. 566	..	1,260	1,256	..
Madura ..	Bamboos ..	..	..	..	868	..	83	83	..
	Miscellaneous timber ..	..	152	76	..	577	288	212	..
	Fuel	..	17,340	760	..	43,096	1,616	856	..
Tinnevelly ..	Miscellaneous timber ..	..	153	115	..	730	650	535	..
	Minor produce ..	MDS. 19	..	38	..	..	..	..	38

Statement showing the Value of Timber and other Produce at sale depots, &c.—*cont.*

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9	10
	ABSTRACT.								
	Northern Circle.			RS.			RS.	RS.	RS.
	Timber	..	83,907	16,067	..	131,166	20,854	4,787	..
	Fuel	..	314,716	27,327	..	569,471	35,804	8,477	..
	Bamboos ..	812	..	37	7,065	..	300	263	..
	Minor produce ..	MDS. 5	..	4	MDS. 150	..	150	146	..
	Central Circle.								
	Timber	..	34,743	14,044	..	6,438	4,246	[illegible]	9,798
	Fuel	..	274,458	18,667	..	353,624	23,274	4,607	..
	Bamboos ..	4	..	1	135	..	114	113	..
	Minor produce ..	MDS. 10,897	..	22,079	MDS. 6,179	..	5,535	..	16,544
	Southern Circle.								
	Timber	..	452,020	1,25,629	..	462,945	1,56,722	31,093	..
	Fuel	..	295,066	3,653	..	314,038	16,955	13,302	..
	Bamboos ..	12,990	..	359	988	..	85	..	274
	Minor produce ..	MDS. 7,537	..	11,156	MDS. 18,415	..	18,958	7,802	..
	GRAND TOTAL.			RS.			RS.	RS.	RS.
	Timber	..	570,670	1,55,740	..	600,549	1,81,822	26,082	..
	Fuel	..	884,240	49,647	..	1,237,133	76,033	26,386	..
	Bamboos ..	13,806	..	397	8,188	..	499	102	..
	Minor produce ..	MDS. 18,439	..	33,239	MDS. 24,744	..	24,643	..	8,596

ANNUAL FORM No. 59.

SUMMARY of Revenue of the different districts for the Forest year 1902–1903.

Budget heads	Northern Circle.									Central Circle.				
	Direction.	Ganjám.	Vizagapatam.	Godávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—														
(a) Timber	..	5,321	205	1,632	21	7,998	2,430	..	17,607	1,578	19	11,532	..	150
(b) Firewood and charcoal	..	246	7,611	7,483	4,120	91,305	13,397	360	1,24,522	..	27,187	3,361	3,942	4,315
(c) Bamboos	..	1,698	8	..	..	..	8	..	1,714	..	..	..	..	..
(d) Sandalwood	..	..	..	..	..	..	3	..	3	..	..	..	..	2,021
(e) Grass and other minor produce	..	..	112	108	..	54	24	..	298	..	4,182	..	..	72
II. Timber and other produce removed from the forests by consumers or purchasers—														
(a) Timber	..	11,857	5,166	34,901	26,155	19,385	11,575	5,872	1,14,911	..	6,853	10,779	3,236	6,010
(b) Firewood and charcoal	..	7,836	4,277	12,777	14,027	15,542	4,074	3,229	61,762	..	30,834	9,775	11,067	20,114
(c) Bamboos	..	6,695	8,423	42,003	3,009	18,461	2,164	451	81,206	..	35	4,390	61	21,590
(d) Grazing and fodder grass	..	13,303	5,037	20,056	83,004	43,261	42,516	21,885	2,29,062	..	41,496	36,775	13,612	33,267
(e) Other produce	..	4,191	10,145	41,413	18,991	27,229	48,946	41,648	1,92,563	..	37,565	38,842	12,075	30,054
(f) Tree owners' fees	..	122	26	614	854	2,479	1,729	1,797	7,621	..	171	696	127	751
III. Confiscated drift and waifwood	..	398	35	3,417	106	1,273	71	..	5,300	..	1,285	318	132	250
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—														
(a) Refunds	..	49	..	1,110	14	211	10	140	1,534	..	1	70	74	1,235
(b) Other sources	3	502	2,182	6,950	3,272	4,238	7,166	2,499	26,812	9,071	4,656	6,830	307	1,412
Total, Receipts ..	3	52,218	43,227	1,72,464	1,53,573	2,31,436	1,34,113	77,881	8,64,915	*10,649	1,54,284	1,23,368	44,633	1,21,241

Budget heads.	Central Circle—*cont.*						Southern Circle.									
	South Arcot.	North Salem.	South Salem.	Trichinopoly	Tanjore.	Total.	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Receipts.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—																
(a) Timber	..	2,532	1,046	38	..	16,895	1	8,334	937	25,167	104	1,452	50,065	34,985	6,167	1,27,212
(b) Firewood and charcoal	513	62,823	78,046	20,176	3,799	2,04,162	..	17,449	..	2,152	49,548	1,374	..	69	341	70,933
(c) Bamboos	90	141	56	..	..	287	..	..	..	26	..	..	..	739	169	934
(d) Sandalwood	31	15,217	3,120	..	..	20,389	..	1,115	29,594	..	..	..	..	..	..	30,709
(e) Grass and other minor produce	295	..	109	272	25	4,955	..	1,970	14,793	7,287	..	23	557	..	14,788	39,418
II. Timber and other produce removed from the forests by consumers or purchasers –																
(a) Timber	362	11,264	13,831	2,934	1,337	56,606	..	705	2,714	18,913	8,133	200	2,250	24,703	4,257	61,875
(b) Firewood and charcoal	39,041	4,767	4,425	24,295	8,777	1,53,095	..	1,667	14,555	18,586	27,244	39,881	45	3,723	12,485	1,18,186
(c) Bamboos	89	7,974	23,600	1,651	220	59,610	..	3,430	10,856	7,679	3,668	639	343	1,681	1,570	29,866
(d) Grazing and fodder grass	51,348	31,253	24,395	17,949	1,236	2,51,331	..	9,424	47,639	8,926	20,951	4,055	2,790	5	4,317	98,107
(e) Other produce	25,259	13,354	19,714	14,881	4,332	1,96,076	..	828	5,927	7,664	27,466	23,537	1,007	1,942	13,063	81,434
(f) Tree owners' fees	229	413	..	..	50	2,437	..	..	..	..	..	..	..	1	95	96
III. Confiscated drift and waifwood	283	304	321	252	18	3,163	..	49	327	533	266	736	454	4	1,103	3,472
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—																
(a) Refunds	866	78	499	148	53	3,024	..	50	1	536	130	15	3	35	203	973
(b) Other sources	890	6,400	13,777	8,562	4,327	56,232	88	5,431	2,940	6,311	2,497	2,824	11,473	2,285	2,538	36,387
Total, Receipts ..	1,19,296	1,56,520	1,82,939	91,158	24,174	10,28,262	89	50,452	1,30,283	1,03,780	1,40,007	74,736	68,987	70,172	61,096	6,99,602

* Out of this amount, Rs. 10,630 relate to the revenue of the Southern Circle realized in the Central Circle.

MADRAS, 31st August 1903.

(Signed) E. S. HENSMAN, Chief Superintendent.

Forest Department, Madras Presidency, Northern Circle.

Summary of Expenditure of the different Districts for the Forest year 1902-1903.

Budget heads.	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I.—Refunds and Drawbacks.	1	52	33	389	156	199	300	3,028	4,158
A. Conservancy and Works.									
I. Timber and other produce removed from the forests by Government Agency—									
(*a*) Timber	..	1,883	257	96	7	7,925	2,200	..	12,368
(*b*) Firewood and charcoal	..	341	4,139	5,928	2,380	36,789	14,619	26	64,222
(*c*) Bamboos	..	892	..	..	..	..	19	..	911
(*d*) Sandalwood ..	..	..	..	..	..	..	140	..	140
(*e*) Grass and other minor produce ..	..	118	6	19	..	..	..	80	223
II. Timber and other produce removed from the forests by consumers or purchasers	..	5,837	4,657	14,783	5,505	16,786	3,860	1,688	53,116
III. Confiscated, drift and waif-wood	..	14	1	961	6	64	7	..	1,053
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to share-holders in forests managed by Government	..	..	400	..	..	..	10,000	..	10,400
VI. Live-stock, stores, tools and plant—									
(*a*) Purchase of cattle ..	..	..	..	..	..	892	— 22	..	870
(*b*) Feed and keep of cattle	..	— 28	697	701	..	4,832	952	..	7,154
(*c*) Stores, tools and plant	397	258	6	585	318	640	22	47	2,273
VII. Communications and buildings—									
(*a*) Roads and bridges..	74	336	53	3,874	889	1,644	146	9	7,025
(*b*) Buildings	60	2,536	1,101	3,906	589	3,905	61	2,172	14,330
(*c*) Other works ..	..	153	36	1,751	990	447	14	15	3,406
VIII. Demarcation, improvement and extension of forests—									
(*a*) Demarcation ..	..	2,281	75	704	2,572	1,630	434	25	7,721
(*b*) Cost of forest settlement; compensation for land and rights	..	..	..	23	519	134	1,891	..	2,567
(*c*) Surveys (1) Local ..	30	632	677	1,570	1,371	961	369	..	5,610
(*c*) Surveys (2) India ..	* 19,180	..	..	..	..	..	..	..	* 19,180
(*d*) Working plans ..	..	485	..	170	..	..	..	..	655
(*e*) Sowing and planting.	432	272	253	5,267	2,828	59	895	214	10,220
(*f*) Protection from fire.	..	2,496	50	2,331	443	1,421	628	750	8,119
(*g*) Other works ..	..	53	..	..	10,787	592	3,841	3,670	18,943
IX. Miscellaneous—									
(*a*) Law charges ..	..	30	..	2	..	1	..	..	33
(*b*) Other charges ..	14	43	40	136	8	106	28	12	387
Total, A. Conservancy and Works	1,008 / * 19,180	18,684	12,481	43,196	29,368	79,027	40,404	11,736	2,35,904 / * 19,180

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Central Circle.

Summary of Expenditure of the different Districts for the Forest year 1902–1903—*cont.*

Budget heads.	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks ..	..	4,370	180	124	969	548	850	294	280	89	7,704
A. Conservancy and Works.											
I. Timber and other produce removed from the forests by Government Agency—											
(*a*) Timber ..	..	2	1,712	..	239	..	1,341	549	39	..	3,882
(*b*) Firewood and charcoal ..	..	13,583	2,641	1,376	1,234	326	45,085	53,871	9,923	1,092	1,29,131
(*c*) Bamboos ..	..	..	..	..	..	..	71	30	..	..	101
(*d*) Sandalwood ..	..	..	..	..	144	..	672	110	..	..	926
(*e*) Grass and other minor produce ..	..	2,151	78	58	22	130	37	163	36	4	2,679
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	6,099	10,949	1,703	1,893	2,123	3,348	4,699	2,152	636	33,102
III. Confiscated, drift and waifwood	..	..	24	3	11	1	3	5	4	..	51
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	..	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—											
(*a*) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*b*) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..	..
(*c*) Stores, tools and plant ..	1,088	5,441	7	—10	135	59	1	163	..	6	6,890
VII. Communications and buildings—											
(*a*) Roads and bridges ..	..	..	..	..	4,572	253	1,529	825	..	..	7,179
(*b*) Buildings ..	12	1,290	737	552	3,003	441	231	705	234	3	7,208
(*c*) Other works ..	..	376	33	45	182	1	198	109	..	..	944
VIII. Demarcation, improvement and extension of forests—											
(*a*) Demarcation ..	..	980	236	905	192	878	155	188	770	..	4,304
(*b*) Cost of forest settlement; compensation for land and rights ..	..	37	41	226	57	..	..	..	— 100	..	261
(*c*) Surveys—											
(1) Local ..	316	672	360	476	387	240	1,005	383	360	..	4,199
(2) India ..	*17,700	..	..	..	..	..	..	..	..	..	*17,700
(*d*) Working plans.	27	26	1	..	439	86	..	59	..	..	638
(*e*) Sowing and planting ..	..	8,660	1,074	542	1,412	1,941	— 5	102	1,101	988	15,815
(*f*) Protection from fire	..	1,381	4,365	341	3,922	1,413	1,245	848	122	..	13,637
(*g*) Other works ..	..	1,691	2,982	2,181	7,481	9,336	2,992	4,970	3,426	451	35,510
IX. Miscellaneous—											
(*a*) Law charges ..	4	50	..	..	1	..	..	97	..	..	152
(*b*) Other charges ..	3	5	42	13	24	30	113	117	51	4	402
Total, A Conservancy and Works	1,450 *17,700	46,814	25,462	8,535	25,819	17,806	58,871	68,287	18,398	3,273	2,74,715 * 17,700

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Forest Department, Madras Presidency, Southern Circle.

Summary of Expenditure of the different Districts for the Forest year 1902–1903—*cont.*

Budget heads.	Direction.	The Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Refunds and Drawbacks.	..		137	162	4,158	— 78	2	..	257	4,638
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(*a*) Timber ..	..	2,448	783	12,964	20	1,399	7,206	5,561	2,740	33,121
(*b*) Firewood and charcoal ..	..	13,811	..	1,285	28,174	195	..	467	53	43,985
(*c*) Bamboos ..	..	..	..	99	..	..	..	851	4	954
(*d*) Sandalwood ..	..	124	11,572	..	..	..	..	..	..	11,696
(*e*) Grass and other minor produce.	..	1,931	14,651	4,135	..	..	321	..	4,143	25,181
II. Timber and other produce removed from the forests by consumers or purchasers ..	..	1,016	3,485	6,515	2,729	2,335	495	88	4,935	21,598
III. Confiscated, drift and waifwood	..	5	11	—4	3	359	34	— 4	16	420
IV. Revenue from forests not managed by Government	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government	..	4,740	..	2,500	..	..	..	5,512	..	12,752
VI. Live-stock, stores, tools and plant—										
(*a*) Purchase of cattle ..	10,661	..	..	..	..	..	2,581	850	..	14,092
(*b*) Feed and keep of cattle ..	..	2,603	..	8,179	..	..	10,984	8,557	1,384	31,707
(*c*) Stores, tools and plant ..	4	212	568	1,803	282	313	431	1,165	14	4,792
VII. Communications and buildings—										
(*a*) Roads and bridges ..	..	991	16,716	2,479	150	3,999	3,754	1,268	43	29,400
(*b*) Buildings ..	..	2,882	6,591	8,986	3,232	3,539	1,226	3,947	1,798	32,201
(*c*) Other works ..	..	103	525	3,649	261	52	129	729	8	5,456
VIII. Demarcation, improvement and extension of forests—										
(*a*) Demarcation ..	..	2,204	2,347	238	854	1,834	185	457	1,839	9,958
(*b*) Cost of forest settlement; compensation for land and rights ..	..	..	..	..	200	1,552	41,350	..	..	43,102
(*c*) Surveys—										
(1) Local ..	11	386	327	2,078	79	483	395	342	609	4,710
(2) India ..	* 28,000	..	..	..	..	..	..	..	..	* 28,000
(*d*) Working plans.	37	..	..	..	..	..	31	26	1	95
(*e*) Sowing and planting ..	128	4,224	115	261	..	388	1,694	10,376	144	17,330
(*f*) Protection from fire	..	1,925	1,075	2,741	1,580	1,714	6,716	2,210	1,325	19,286
(*g*) Other works ..	..	1,395	5,689	1,803	7,849	4,165	1,198	1,016	122	23,237
IX. Miscellaneous—										
(*a*) Law charges ..	3	..	..	..	..	51	..	103	63	220
(*b*) Other charges ..	595	3,931	82	1,016	101	134	488	454	154	6,955
Total A, Conservancy and works ..	11,439 * 28,000	44,931	64,674	60,859	49,672	22,434	79,220	43,975	19,652	3,96,886 * 28,000

* The approximate figure under sub-head VIII-(*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

SUMMARY of Expenditure of the different Districts for the Forest year 1902–1903.

Budget heads.	Northern Circle.								
	Direction.	Ganjám.	Vizagapatam.	Gódávari.	Kistna.	Kurnool.	Bellary.	Anantapur.	Total.
1	2	3	4	5	6	7	8	9	10
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward. Total A. "Conservancy and Works."	1,008 * 19,180	18,684	12,481	43,196	29,368	79,027	40,404	11,736	2,35,904 * 19,180
I. Salaries—									
(a) Conservators ...	18,085	...	...	...	...	...	...	...	18,085
(b) Superior officers ...	9,037	7,023	7,759	11,014	8,402	15,755	8,200	5,897	73,087
(c) Subordinate forest and depot establishments ...	2,013	10,064	5,822	12,410	9,872	14,928	7,279	6,546	68,934
(d) Office establishments.	9,346	3,113	2,166	4,616	4,056	4,514	3,081	2,331	33,223
(e) Deputation and special allowances ...	470	...	...	...	...	...	...	...	470
Exchange compensation allowances ...	1,194	439	491	464	509	600	412	369	4,478
II. Travelling allowances—									
(a) Conservators ...	2,969	...	...	...	...	...	...	...	2,969
(b) Superior officers ...	3,075	1,378	1,124	2,866	1,685	3,230	1,682	1,258	16,298
(c) Subordinate forest and depot establishments ...	634	2,220	1,718	3,435	2,769	3,934	1,820	1,480	18,010
(d) Office establishments	2,113	484	273	941	807	541	594	483	6,236
Contingencies—									
(a) Stationery ...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	370	92	408	157	152	159	128	115	1,581
(c) Official postage ...	628	592	365	1,455	1,267	1,289	769	870	7,235
(d) Service telegrams.	145	42	38	49	54	89	17	22	456
(e) Sundries	2,273	637	696	1,993	967	1,051	607	515	8,739
Total B.—"Establishments" ...	52,352	26,084	20,860	39,400	30,540	46,090	24,589	19,886	2,59,801
Grand Total of Expenditure.	53,360 * 19,180	44,768	33,341	82,596	59,908	1,25,117	64,993	31,622	4,95,705 * 19,180

Budget heads.	Central Circle.										
	Direction.	Nellore.	Cuddapah.	Chingleput.	North Arcot.	South Arcot.	North Salem.	South Salem.	Trichinopoly.	Tanjore.	Total.
1	11	12	13	14	15	16	17	18	19	20	21
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward. Total A. "Conservancy and Works."	1,450 * 17,700	46,814	25,462	8,535	25,819	17,806	58,871	68,287	18,398	3,273	2,74,715 * 17,700
I. Salaries—											
(a) Conservators ...	19,200	...	...	...	...	...	...	...	...	...	19,200
(b) Superior officers ...	7,600	13,500	11,003	5,323	15,097	13,362	6,600	14,595	5,167	...	92,247
(c) Subordinate forest and depot establishments ...	3,166	10,710	15,588	5,124	15,859	9,878	6,523	8,508	6,399	1,967	83,722
(d) Office establishments.	10,133	4,645	5,004	2,087	4,475	4,507	3,129	4,483	3,031	851	42,345
(e) Deputation and special allowances ...	...	...	...	...	...	10	...	...	...	...	10
Exchange compensation allowances ...	1,200	...	441	...	504	675	...	699	...	...	3,519
II. Travelling allowances—											
(a) Conservators ...	2,563	...	...	...	...	...	...	...	...	...	2,563
(b) Superior officers ...	2,112	2,124	2,750	572	2,629	1,735	1,753	2,539	679	162	17,055
(c) Subordinate forest and depot establishments ...	928	3,069	3,879	1,026	3,539	2,423	1,568	2,817	2,135	1,093	22,477
(d) Office establishments	1,476	815	701	251	1,138	750	330	387	556	129	6,533
Contingencies—											
(a) Stationery ...	...	...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	10	92	313	19	210	26	40	15	46	4	775
(c) Official postage ...	759	495	1,021	675	1,592	1,803	1,187	1,019	662	217	9,430
(d) Service telegrams.	148	35	44	7	183	39	17	20	23	20	536
(e) Sundries	1,896	1,330	1,088	673	1,087	752	1,090	1,339	539	136	9,930
Total B.—"Establishments" ...	51,191	36,815	41,832	15,757	46,313	35,960	22,237	36,421	19,237	4,579	3,10,342
Grand Total of Expenditure.	52,641 * 17,700	83,629	67,294	24,292	72,132	53,766	81,108	1,04,708	37,635	7,852	5,85,057 * 17,700

Budget heads.	Southern Circle.									
	Direction.	Nilgiris.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevelly.	North Malabar.	South Malabar.	South Canara.	Total.
1	22	23	24	25	26	27	28	29	30	31
B.—"Establishments."	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Brought forward. Total A. "Conservancy and Works."	11,439 * 28,000	44,931	64,674	60,889	49,672	22,434	79,220	43,975	19,652	3,96,886 * 28,000
I. Salaries—										
(a) Conservators ...	19,777	...	...	...	...	...	...	...	...	19,777
(b) Superior officers ...	9,572	10,800	13,150	7,800	7,800	11,855	9,951	1,590	6,058	78,576
(c) Subordinate forest and depot establishments ...	2,993	13,112	9,102	12,985	11,312	10,011	6,518	6,502	9,573	82,108
(d) Office establishments.	9,447	3,969	4,085	3,851	3,961	3,597	3,653	2,790	4,261	39,614
(e) Deputation and special allowances ...	...	...	...	...	...	...	...	...	...	...
Exchange compensation allowances ...	1,547	...	821	488	488	591	484	90	303	4,812
II. Travelling allowances—										
(a) Conservators ...	2,257	...	...	— 7	...	...	...	...	...	2,250
(b) Superior officers ...	2,171	923	1,934	1,156	1,660	2,213	2,125	453	1,058	13,693
(c) Subordinate forest and depot establishments ...	698	2,677	2,959	3,283	3,394	2,601	1,797	2,155	2,788	22,352
(d) Office establishments	1,130	186	565	359	740	539	816	442	577	5,354
Contingencies—										
(a) Stationery ...	...	...	...	...	...	...	...	...	...	...
(b) Rents, rates and taxes	59	244	134	89	91	213	65	17	14	926
(c) Official postage ...	665	401	819	516	939	732	426	369	980	5,847
(d) Service telegrams.	141	23	26	16	56	66	173	81	24	606
(e) Sundries	1,396	564	1,580	476	1,145	525	1,069	742	621	8,112
Total B.—"Establishments" ...	51,847	32,899	35,175	31,012	31,586	32,945	27,077	15,231	26,257	2,84,027
Grand Total of Expenditure.	63,286 * 28,000	77,830	99,849	91,901	81,258	55,377	1,06,297	59,206	45,909	6,80,913 * 28,000

* The approximate figure under sub-head VIII (c) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

SUMMARY of Receipts and Expenditure during 1902–1903 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement.

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1902–1903.	Grand Total, Presidency. 1901–1902.
1	2	3	4	5	6
RECEIPTS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	17,607	16,895	1,27,212	1,61,714	1,46,352
(b) Firewood and Charcoal	1,24,522	2,04,162	70,933	3,99,617	2,96,357
(c) Bamboos	1,714	287	934	2,935	2,162
(d) Sandalwood	3	20,389	30,709	51,101	21,432
(e) Grass and other minor produce	298	4,955	39,418	44,671	40,663
Total, I ..	1,44,144	2,46,688	2,69,206	6,60,038	5,06,966
II. Timber and other produce removed from the forests by consumers or purchasers—					
(a) Timber	1,14,911	56,606	61,875	2,33,392	2,39,628
(b) Firewood and charcoal	61,762	1,53,095	1,18,186	3,33,043	3,24,672
(c) Bamboos	81,206	59,610	29,866	1,70,682	1,77,905
(d) Grazing and fodder grass	2,29,062	2,51,331	98,107	5,78,500	5.40,068
(e) Other produce	1,92,563	1,96,076	81,434	4,70,073	5,70,900
(f) Tree-owners' fees	7,621	2,437	96	10,154	..
Total, II ..	6,87,125	7,19,155	3,89,564	17,95,844	18,53,173
III. Confiscated drift and waifwood	5,300	3,163	3,472	11,935	15,870
V. Miscellaneous—					
(a) Fines and forfeitures	1,534	3,024	973	5,531	5,828
(b) Other sources	26,812	* 45,602	47,017	1,19,431	1,14,657
Total, V ..	28,346	48,626	47,990	1,24,962	1,20,485
Grand Total, Receipts ..	8,64,915	10,17,632	7,10,232	25,92,779	24,96,494
EXPENDITURE.					
A.—Conservancy and Works.					
Refunds	4,158	7,704	4,638	16,500	26,812
I. Timber and other produce removed from the forests by Government Agency—					
(a) Timber	12,368	3,882	33,121	49,371	58,280
(b) Firewood	64,222	1,29,131	43,985	2,37,338	1,96,630
(c) Bamboos	911	101	954	1,966	1,348
(d) Sandalwood	140	926	11,696	12,762	7,338
(e) Grass and other minor produce	223	2,679	25,181	28,083	20,960
Total, A-I ..	77,864	1,36,719	1,14,937	3,29,520	2,84,556
II. Timber and other produce removed from the forests by consumers or purchasers	53,116	33,102	21,598	1,07,726	1,06,056
III. Confiscated drift and waifwood	1,053	51	420	1,524	1,789
V. Rent of leased forests and payments to shareholders in forests managed by Government	10,400	..	12,752	23,152	20,708
VI. Live-stock, stores, tools and plant—					
(a) Purchase of cattle	870	..	14,092	14,962	3,780
(b) Feed and upkeep of cattle	7,154	..	31,707	38,861	35,666
(c) Stores, tools and plant	2,273	6,890	4,792	13,955	17,098
Total, A-VI ..	10,297	6,890	50,591	67,778	56,544
VII. Communications and buildings—					
(a) Roads and bridges	7,025	7,179	29,400	43,604	54,010
(b) Buildings	14,330	7,208	32,201	53,739	48,837
(c) Other works	3,406	944	5,456	9,806	10,991
Total, A-VII ..	24,761	15,331	67,057	1,07,149	1,13,838
VIII. Demarcation, improvement and extension of forests—					
(a) Demarcation	7,721	4,304	9,958	21,983	30,549
(b) Cost of forest settlement, compensation for land and rights	2,567	261	43,102	45,930	4,284
(c) (1) Local surveys	5,610	4,199	4,710	14,519	11,787
(c) (2) Surveys of India	(a) 19,180	(a) 17,700	(a) 28,000	(a) 64,880	62,125
(d) Working plans	655	638	95	1,388	2,282
(e) Sowing and planting	10,220	15,815	17,330	43,365	43,877
(f) Protection from fire	8,119	13,637	19,286	41,042	38,138
(g) Other works	18,943	35,510	23,237	77,690	76,477
Total, A-VIII ..	53,835 (a)19,180	74,364 (a) 17,700	1,17,718 (a) 28,000	2,45,917 (a) 64,880	2,69,519

* Out of this amount, Rs. 10,630 relate to the revenue of the Southern Circle realized in the Central Circle.

(a) Approximate figures under A-VIII (c) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

Summary of Receipts and Expenditure during 1902–1903 for each circle and for the presidency prepared in the Board's office from the Accountant-General's statement—*cont.*

Budget heads.	Northern Circle.	Central Circle.	Southern Circle.	Grand Total, Presidency. 1902–1903.	Grand Total, Presidency. 1901–1902.
1	2	3	4	5	6
EXPENDITURE—*cont.*	RS.	RS.	RS.	RS.	RS.
A.—Conservancy and Works—cont.					
IX. Miscellaneous—					
(*a*) Law charges	33	152	220	405	612
(*b*) Other charges	387	402	6,955	7,744	6,791
Total, A-IX ..	420	554	7,175	8,149	7,403
Total, A.—Conservancy and Works ..	2,35,904 *19,180	2,74,715 *17,700	3,96,886 *28,000	9,07,505 *64,880	8,87,225
B.—Establishments.					
I. Salaries—					
(*a*) Conservators	18,085	19,200	19,777	57,062	52,156
(*b*) Superior officers	73,087	92,247	78,576	2,43,910	2,45,055
(*c*) Subordinate forest and depot establishments.	68,934	83,722	82,108	2,34,764	2,34,157
(*d*) Office establishments	33,223	42,345	39,614	1,15,182	1,13,650
(*e*) Deputation and special allowances	470	10	..	480	..
(*f*) Exchange compensation allowance	4,478	3,519	4,812	12,809	13,410
Total, B-I ..	1,98,277	2,41,043	2,24,887	6,64,207	6,58,428
II. Travelling allowances—					
(*a*) Conservators	2,969	2,563	2,250	7,782	8,518
(*b*) Superior officers	16,298	17,055	13,693	47,046	48,568
(*c*) Subordinate forest and depot establishments.	18,010	22,477	22,352	62,839	66,749
(*d*) Office establishments	6,236	6,533	5,354	18,123	20,298
Total, B-II ..	43,513	48,628	43,649	1,35,790	1,44,133
III. Contingencies—					
(*a*) Stationery	..	..	..	..	..
(*b*) Rents, rates and taxes	1,581	775	926	3,282	3,627
(*c*) Official postage and service telegrams ..	7,691	9,966	6,453	24,110	23,034
(*d*) Sundries	8,739	9,930	8,112	26,781	29,674
Total, B-III ..	18,011	20,671	15,491	54,173	56,335
Total, B.—Establishments ..	2,59,801	3,10,342	2,84,027	8,54,170	8,58,896
Grand Total, Expenditure ..	4,95,705 *19,180	5,85,057 *17,700	6,80,913 *28,000	17,61,675 *64,880	17,46,121
Surplus ..	3,50,030	4,14,875	1,319	7,66,224	7,50,373
Deficit ..	..	..	..	..	..
Total ..	8,64,915	10,17,632	7,10,232	25,92,779	24,96,494

* Approximate figures under VIII (*c*) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. Actuals have not yet been intimated.

ANNUAL FORM No. 60.

Forest Department, Madras Presidency.

OUTSTANDINGS and Liabilities on account of Contractors and Disbursers for the Forest year 1902–1903.

Circle	District.	Department Debtor.			Department Creditor.			Balance Due	
		At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	
Northern Circle.	Conservator, Northern Circle	..	8,273 3 7	8,273 3 7	32 13 5	8,304 15 11	8,337 13 4	64 9 9	..
	Forest Settlement-officer, Kistna, &c., districts .	..	526 2 6	526 2 6	43 3 2	513 4 8	556 7 10	30 5 4	..
	Working Plans Officer, Northern Circle ..	..	1 10 3	1 10 3	1 10 3	..	1 10 3	..	..
	Ganjám	..	37,314 5 7	37,314 5 7	1,225 13 6	37,597 13 2	38,823 10 8	1,509 5 1	..
	Vizagapatam	..	22,080 8 2	22,080 8 2	247 3 0	22,309 15 10	22,557 2 10	476 10 8	..
	Gódávari	..	71,936 5 5	71,936 5 5	1,829 14 2	72,737 12 1	74,567 10 8	2,631 4 10	..
	Kistna	..	49,184 6 10	49,184 6 10	1,047 12 9	49,514 11 2	50,562 7 11	1,378 1 1	..
	Kurnool	..	{ 1,20,173 14 8 + 48 4 0 }	1,20,222 2 8	3,847 2 5	1,19,944 12 1	1,23,791 14 6	3,569 11 10	..
	Bellary	..	48,311 3 8	48,311 3 8	2,041 10 8	49,517 10 10	51,559 5 6	3,248 1 10	..
	Anantapur	..	20,953 9 0	20,953 9 0	1,256 3 4	20,183 11 0	21,439 14 4	486 5 4	..
	Total ..	..	3,78,803 9 8	3,78,803 9 8	11,573 6 8	3,80,624 10 9	3,92,198 1 5	13,394 7 9	..
Central Circle.	Conservator, Central Circle	..	1,843 11 10	1,843 11 10	479 1 4	1,399 1 10	1,878 3 2	34 7 4	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	272 12 6	272 12 6	62 11 6	257 5 1	320 0 7	47 4 1	..
	Working Plans Officer, Central Circle	..	1,198 5 6	1,198 5 6	14 13 7	1,212 11 7	1,227 9 2	29 3 8	..
	Nellore	..	64,455 13 8	64,455 13 8	1,996 0 9	63,546 7 7	65,542 8 4	1,086 10 8	..
	Cuddapah	..	56,831 13 6	56,831 13 6	776 0 7	56,581 14 6	57,357 15 1	526 1 7	..
	Chingleput	..	17,743 2 5	17,743 2 5	228 7 11	17,849 9 2	18,078 1 1	334 14 8	..
	North Arcot	..	60,896 11 10	60,896 11 10	2,443 4 5	59,981 10 4	62,424 14 9	1,528 2 11	..
	South Arcot	..	36,887 8 11	36,887 8 11	803 3 7	36,662 13 7	37,466 1 2	578 8 3	..
	North Salem	..	33,458 7 2	33,458 7 2	1,195 12 5	33,536 1 5	34,731 13 10	1,273 6 8	..
	South Salem	..	99,743 13 4	99,743 13 4	2,183 5 10	99,587 0 4	1,01,770 6 2	2,026 8 10	..
	Trichinopoly	..	24,241 1 11	24,241 1 11	686 15 11	24,548 8 6	25,235 8 5	994 6 6	..
	Tanjore	..	8,019 11 9	8,019 11 9	323 15 10	8,254 4 1	8,578 3 11	558 8 2	..
	Total ..	..	4,05,593 2 4	4,05,593 2 4	11,193 13 8	4,03,417 8 0	4,14,611 5 8	9,018 3 4	..
Southern Circle.	Conservator, Southern Circle	..	8,711 3 8	8,711 3 8	21 14 11	8,713 14 9	8,735 13 8	24 10 0	..
	Forest Settlement-officer, Trichinopoly, &c., districts	..	272 12 6	272 12 6	37 14 6	257 5 2	295 3 8	22 7 2	..
	Working Plans Officer, Southern Circle ..	..	301 12 7	301 12 7	— 2 8 0	325 11 2	323 3 2	21 6 7	..
	Nilgiris	..	59,554 2 2	59,554 2 2	1,686 12 1	59,405 7 7	61,092 3 8	1,538 1 6	..
	North Coimbatore ..	..	1,06,593 0 5	1,06,593 0 5	4,424 7 4	1,05,373 5 10	1,09,797 13 2	3,204 12 9	..
	South Coimbatore ..	..	71,307 1 10	71,307 1 10	1,632 3 0	75,203 0 11	76,835 3 11	5,528 2 1	..
	Madura	..	45,593 15 6	45,593 15 6	312 8 1	46,245 11 2	46,558 3 3	964 3 9	..
	Tinnevelly	..	48,097 12 4	48,097 12 4	1,828 0 6	48,101 7 5	49,929 7 11	1,831 11 7	..
	North Malabar	..	45,207 10 4	45,207 10 4	2,684 10 8	44,557 15 4	47,242 10 0	2,034 15 8	..
	South Malabar	..	55,841 0 4	55,841 0 4	1,030 15 3	56,011 13 8	57,042 12 11	1,201 12 7	..
	South Canara	..	33,610 2 10	33,610 2 10	888 7 1	33,385 1 5	34,273 8 6	663 5 8	..
	Total ..	..	4,75,090 10 6	4,75,090 10 6	14,545 5 5	4,77,580 14 5	4,92,126 3 10	17,035 9 4	..

MADRAS,
31st August 1903.

(Signed) E. S. HENSMAN,
Chief Superintendent.

Annual Form No. 61.

Forest Department, Madras Presidency.

Revenue received and Outstandings on account of Revenue during the Forest year 1902–1903.

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Outstandings at the end of year.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Direction	Timber and other forest produce ..	..	3 0 0	3 0 0	3 0 0	..
Ganjám	Do. do.	180 3 1	52,335 6 10	52,515 9 11	52,218 0 0	297 9 11
Vizagapatam	Do. do.	712 0 0	43,482 12 6	44,194 12 6	43,227 0 0 (a)+ 0 4 0 (b)+ 0 8 0	967 12 6
Gódávari	Do. do.	1,935 15 6	1,73,136 10 0	1,75,072 9 6	1,72,464 0 0 (b)+ 39 8 0	2,608 9 6
Kistna	Do. do.	1,117 8 10	1,53,958 0 5	1,55,075 9 3	1,53,573 0 0	1,502 9 3
Kurnool	Do. do.	6,582 0 8	2,26,694 14 1	2,33,276 14 9	2,31,436 0 0 (c) +1,233 8 0	1,840 14 9
Bellary	Do. do.	17,144 13 2	1,38,321 15 10	1,55,466 13 0	1,34,113 0 0	* 21,353 13 0
Anantapur	Do. do.	16,846 2 6	84,886 8 6	1,01,732 11 0	77,881 0 0	* 23,851 11 0
	Total ..	44,518 11 9	8,72,819 4 2	9,17,337 15 11	8,64,915 0 0	52,422 15 11
Direction	Timber and other forest produce ..	..	19 0 0	19 0 0	19 0 0	..
Nellore	Do. do.	8,517 6 10	1,69,715 9 10	1,78,233 0 8	1,54,284 0 0	†23,675 13 4 273 3 4
Chingleput	Do. do.	1,516 3 0	45,398 1 8	46,914 4 8	44,633 0 0 (d) + 51 0 0	† 1,915 4 8 315 0 0
Cuddapah	Do. do.	3,240 6 0	1,29,736 13 6	1,32,977 3 6	1,23,368 0 0	9,609 3 6
North Arcot	Do. do.	32,729 9 9 (h) — 268 10 11	1,17,713 2 9	1,50,173 6 7	1,21,241 0 0	†27,896 6 2 1,036 0 5
South Arcot	Do. do.	2,838 1 7	1,20,096 2 1	1,22,934 3 8	1,19,296 0 0 (e)+ 369 13 9 (f)+ 12 2 7	† 1,405 13 4 1,850 6 0
Tanjore	Do. do.	2,061 14 3 (i)— 401 12 3	24,185 13 0	25,845 15 0	24,174 0 0	1,671 15 0
Trichinopoly	Do. do.	9,051 8 5 (j)—2,522 15 8	91,466 11 4	97,995 4 1	91,158 0 0	6,837 4 1
South Salem	Do. do.	10,124 3 0	1,93,635 5 3	2,03,759 8 3	1,82,939 0 0	†14,841 8 11 5,978 15 4
North Salem	Do. do.	5,115 5 6 (k)— 17 8 0	1,54,994 6 6	1,60,092 4 0	1,56,520 0 0 (g)+ 28 8 0	3,543 12 0
	Total ..	75,194 10 4 —3,211 9 10	10,46,961 1 11	11,18,944 2 5	10,17,632 0 0 + 461 8 4	1,00,850 10 1
Direction	Timber and other forest produce ..	..	89 0 0	89 0 0	89 0 0	..
South Canara	Do. do.	12,328 0 0 (l) — 110 0 0	53,956 0 0	66,174 0 0	61,096 0 0 (o) + 3 0 0	5,075 0 0
North Malabar	Do. do.	4,232 0 0 (m)—1,493 0 0	76,538 0 0	79,277 0 0	68,987 0 0	10,290 0 0
South do.	Do. do.	1,117 0 0	69,531 0 0	70,648 0 0	70,172 0 0	476 0 0
The Nilgiris	Do. do.	3,737 0 0	47,047 0 0	50,784 0 0	50,452 0 0	332 0 0
North Coimbatore ..	Do. do.	1,544 0 0	1,29,430 0 0	1,30,974 0 0	1,30,283 0 0	691 0 0
South do.	Do. do.	3,903 0 0 (n) — 31 0 0	1,01,055 0 0	1,04,927 0 0	1,03,780 0 0	1,147 0 0
Madura	Do. do.	11,331 0 0	1,31,182 0 0	1,42,513 0 0	1,40,007 0 0	2,506 0 0
Tinnevelly	Do. do.	15,405 0 0	76,378 0 0	91,783 0 0	74,736 0 0 (p)+ 163 0 0	16,884 0 0
	Total ..	53,597 0 0 — 1,634 0 0	6,85,206 0 0	7,37,169 0 0	6,99,602 0 0 + 166 0 0	37,401 0 0

* Partially since adjusted. † Lease amounts outstanding to be collected after 30th June 1903.

(a) Written off under Govt. Order, No. 746, Rev., dated 22nd August 1902, in Board's Procs., No. 204, dated 8th September 1902.
(b) Do. do. No. 205, „ 26th February 1903, „ No. 41, dated 17th March 1903.
(c) Do. do. No. 470, „ 9th May 1903, „ No. 95, dated 28th May 1903.
(d) Do. do. No. 746, Land Rev., dated 22nd Aug 1902, in Board's Pros., Forest No. 204, dated 8th Sept. 1902
(e) Do. do. do. do.
(f) Do. do. Mis. No. 2622, dated 4th November 1902.
(g) Do. do. No. 205, Rev., dated 26th February 1903, in Board's Procs., No. 41, dated 17th March 1903.
(h) Deduction on account of the following :—

	RS. A. P.
Amount written off under Govt. Order, No 781, dated 17th November 1899, in Board's Procs., No. 300, dated 7th December 1899	198 0 0
Erroneous demand	70 10 11
	268 10 11

(i) Deduction due to erroneous inclusion of outstanding amounts in forest returns.
(j) Do. do. and to erroneous demand.
(k) Deduction due to cancellation of lease.
(l) Deduction due to—

	RS.
Cancellation of sales	63
Already collected in the previous year but not shown as collection of outstanding	47
	110

(m) Deducted from demand for want of produce for removal.
(n) Deduction due to—

	RS.
Erroneously shown as demand in excess	27
Dificiency in the quantity of produce actually delivered	4
	31

(o) Written off the accounts under Govt. Order, No. 746, Rev, dated 22nd August 1902.
(p) Do. do. No. 468 „ „ 28th May 1902.

Annual Form No. 62.

Forest Department, Madras Presidency.

Financial Results of the year 1902–1903.

Districts.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
Northern Circle.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjám	7,663	6,633	44,555	22,732	20,405	52,218	49,770
Vizagapatam	7,936	5,731	* 35,294	18,139	12,806	43,230	36,676
Gódávari	12,640	7,992	1,59,824	55,007	29,602	1,72,464	92,601
Kistna	4,141	3,197	1,49,432	29,545	35,504	1,53,573	68,246
Kurnool	99,357	50,002	1,32,079	56,826	29,961	2,31,436	1,36,789
Bellary	15,862	21,851	1,18,251	25,769	25,711	1,34,113	73,331
Anantapur	360	106	77,521	24,122	14,064	77,881	38,292
Total ..	1,47,959	95,512	* 7,16,956	2,32,140	1,68,053 +(c)19,180	*8,64,915	4,95,705 +(c) 19,180
Central Circle.							
Cuddapah	14,893	8,770	1,08,475	41,643	27,742	1,23,368	78,154
Nellore	31,388	26,219	1,22,896	30,211	32,318	1,54,284	88,748
Chingleput	3,942	1,647	40,691	13,841	11,363	44,633	26,851
North Arcot	6,558	6,138	1,14,683	33,253	40,420	1,21,241	79,811
South do.	929	4,093	1,18,367	26,878	30,474	1,19,296	61,445
North Salem	80,713	52,619	75,807	17,139	17,277	1,56,520	87,035
South do.	82,377	62,926	1,00,581	25,563	22,637	(b) 1,82,958	1,11,126
Trichinopoly	20,486	12,028	70,672	16,695	14,031	91,158	42,754
Tanjore	3,824	1,584	20,350	4,635	2,913	24,174	9,132
Total ..	2,45,110	1,76,024	7,72,522	2,09,858	1,99,175 +(c)17,700	10,17,632	5,85,057 +(c)17,700
Southern Circle.							
South Canara	21,465	21,592	39,642	13,054	15,152	61,107	49,798
North Malabar.. ..	50,622	31,524	18,376	1,042	82,596	68,998	1,15,162
South do.	35,793	29,586	34,390	423	37,416	70,183	67,425
The Nilgiris	28,868	46,478	21,595	4,294	36,850	50,463	87,622
North Coimbatore ..	45,324	46,259	84,970	6,040	55,884	1,30,294	1,08,183
South do. ..	34,633	53,493	69,159	11,087	40,037	1,03,792	1,04,617
Madura	49,652	54,167	90,366	8,617	25,276	1,40,018	88,060
Tinnevelly	2,849	5,211	71,898	7,307	47,528	74,747	60,046
Total ..	2,69,206	2,88,310	4,30,396 +(a)10,630	51,864	3,40,739 +(c)28,000	6,99,602 (a) 10,630	6,80,913 +(c)28,000
Grand Total ..	6,62,275	5,59,846	19,30,504	4,93,862	7,07,967 +(c)64,880	25,92,779	17,61,675 +(c)64,880

* Includes Rs. 3 realized under "Direction V (b)."

(a) Revenue of the Southern Circle realized in the Central Circle.

(b) Includes Rs. 19 realized under "Direction".

(c) Approximate figure under A VIII (c) (2)—"Surveys of India" furnished by the Comptroller, India Treasuries. The actuals have not yet been intimated.

ANNUAL FORM No. 63.

Forest Department, Madras Presidency.

STATEMENT of Elephants during the year 1902–1903.

District.	Names.	When purchased or otherwise obtained by Government.	Cost of monthly keep, including servants and food.			
1	2	3	4			
				RS.	A.	P.
PART I.						
Elephants in possession of the Reporting Officers throughout the year.						
Vizagapatam ..	Ethel	Transferred from the Southern Circle on 3rd December 1897.	Per head ..	58	0	0
Gódávari ..	Surat Pari	Purchased in November 1894 at Sonepur fair.	Do. ..	58	6	4
Kurnool	1. Byragi Piari	Do. do.	Do. ..	46	1	4
	2. Captain Gunning ..	Purchased in July 1888	Do. ..	63	10	10
South Canara ..	1. Mohideen Khan ..	Transferred from North Malabar on 3rd September 1897.	Do. ..	43	4	9
	2. Padmini			44	4	1
	3. Chamundi	Transferred from North Malabar on 10th September 1900.	Do. ..	27	11	8
North Malabar ..	1. Phyllis	Purchased in January 1878	Do. ..	40	4	11
	2. Kaliani	Purchased in October 1889	Do. ..	47	8	6
	3. Krishna	Captured in March 1896	Do. ..	47	6	7
	4. Chákravarthini ..	Do. in March 1898	Do. ..	48	6	8
	5. Emily	Do. in June 1899	Do. ..	40	6	3
	6. Sivajee	Do. in February 1900	Do. ..	47	6	5
	7. Nadir Shah	Do. in March 1900	Do. ..	46	7	5
	8. Abdur Rahiman ..	Do. in April 1900	Do. ..	44	1	5
	9. Meenatchi	Transferred in July 1899 from the Nilgiris.	Do. ..	40	1	10
	10. Isabella	Captured in February 1898	Do. ..	44	13	3
	11. Peri	Do. on April 1889	Do. ..	49	4	7
	12. Dost-i-Jehan	Born in February 1902	Do. ..	26	12	3
	13. Sutlej	Captured in February 1902	Do. ..	43	8	11
	14. Beas	Do. in February 1902	Do. ..	43	1	6
	15. Ravi	Do. in March 1902	Do. ..	46	5	6
	16. Jhelam	Do. in June 1902	Do. ..	30	15	1
South Malabar ..	1. Vixen	Transferred from Wynaad in 1882 ..				
	2. Peyru					
	3. Samson	Purchased from Mr. Morgan in 1885..				
	4. Eva					
	5. Theebaw	Captured on 3rd January 1886 ..				
	6. Juno	Do. on 17th February 1886 ..				
	7. Jupiter	Do. on 9th January 1887				
	8. Maharajah	Transferred from Wynaad on 29th September 1888.				
	9. Gordon	Captured on 11th February 1889 ..	Do. ..	39	8	4
	10. Loo	Do. on 21st April 1890				
	11. Hercules	Do. on 24th December 1890 ..				
	12. Tippoo	Do. on 25th February 1893 ..				
	13. Nurmahal	Transferred from North Malabar on 5th November 1898.				
	14. Kunhi Raman ..	Captured on 15th February 1900 ..				
	15. Flora	Do. on 11th March 1902				
	16. Nellie	Do. on 19th March 1902				
The Nilgiris ..	1. Big Lakshmi	Transferred from the Anamalais on the 30th January 1882				
	2. Chinna Lakshmi ..					
	3. Nilambur Lakshmi ..	Purchased in September 1894	Do. ..	50	9	0
	4. Bessie (calf)	Born on 3rd July 1899				
South Coimbatore.	1. Karthiyayini ..	Transferred from South Malabar in August 1898.				
	2. Akbar Baksh	Transferred from the Nilgiris on 25th July 1899.				
	3. Zehara					
	4. Parvati	Received back from Public Works Department on 3rd April 1901.				
	5. Kunjunni		Do. ..	47	7	1
	6. Lala meah	Transferred from North Malabar on 20th June 1902.				
	7. Shah Jehan					
	8. Seeta					
	9. Zelica					
	10. Bakto					

Statement of Elephants during the year 1902–1903—*cont.*

District.	Names.	When purchased or otherwise obtained by Government.	Cost of keep, including servants and food.				How disposed of.
1	2	3	4				5
				RS.	A.	P.	
		PART II.					
		Elephants received in the year.					
North Malabar.	1. Bakr Ali ..	Captured in February 1903.	..	142	15	0	....
	2. Habib-ul-lah ..	Do. in April 1903 ..	..	74	4	11	....
	3. Hubbard ..	Do. in May 1903 ..	..	125	13	4	....
	4. Ganga	Do. in June 1903 ..	..	21	15	11	....
	5. Jumna	Do. do. ..	..	21	15	11	....
	6. Sikandur ..	Do. do. ..	..	16	4	0	....
	7. Indus	Do. do. ..	..	9	7	6	....
	8. Kavery	Do. do. ..	..	7	5	3	....
	9. Kabini	Do. do. ..	..	9	10	8	....
	10. Bhavani ..	Do. do. ..	..	..			....
South Malabar.	1. Alexandra ..	Captured on 12th January 1903.	..	1,177	8	7	....
	2. Govindan ..	Captured on 7th March 1903.					
	3. Lydia	Transferred from the Military department.					
	4. Cheman pyree ..						
	5. Empress ..						
The Nilgiris.	1. Begum	Transferred from Nilambur on 23rd June 1903.	1st June 1903.	15	4	8	(For 8 days from 23rd June 1903).
	2. Jampiara ..						
South Coimbatore.	1. Chumbee ..	Received from North Malabar on 26th June 1903.	..	219	8	4	....
	2. Lakshmi ..						
	3. Nurjehan ..						
	4. Dodamari ..						
		PART III.					
		Elephants gone off the list during the year.					
				RS.	A.	P.	
North Malabar.	1. Scindia	Captured in April 1900 ..	..	162	15	11	Sold in auction in October 1902.
	2. Paddy	Born in August 1899 ..	..	99	7	10	
	3. Chenab	Do. 1902 ..	..	118	5	2	
	4. Holkar		..	140	14	8	
	5. Pyramus ..	Captured in April 1897 ..	..	513	14	5	Died in June 1903.
South Malabar.	1. Lakshmi ..	Captured on 7th May 1902 ..	July, August and September 1902.	45 *39	3 6	11 6	Sold in auction on 5th November 1902 for Rs. 700.
South Coimbatore.	1. Sinna Rani	Transferred from South Malabar on 9th August 1891.	..	479	13	1	Died on 10th June 1903.
	2. Meenatchi	Captured on 9th September 1901.	..	148	4	9	Died on 28th October 1902.

* Cost of feeding for the months of October and for the first few days of November.

ANNUAL FORM

Forest Department,

ABSTRACT showing the Value of Live-stock,

Districts.	Surveying, etc., instruments				Tools			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
1	2	3	4	5	6	7	8	9
Northern Circle.		RS.		RS.		RS.		RS.
Direction	45	712	45	650	11	9	11	6
Ganjám	56	560	57	562	334	239	485	357
Vizagapatam	35	905	35	789	248	538	231	462
Gódávari	125	848	121	903	1,084	2,363	1,212	2,125
Kistna	75	911	77	1,040	431	294	320	261
Kurnool	110	825	166	778	839	874	905	887
Bellary	157	338	157	316	416	405	421	408
Anantapur	50	224	56	232	179	137	211	217
Total, Northern Circle ..	653	5,323	714	5,270	3,542	4,859	3,796	4,723
Central Circle.								
Direction	46	818	51	865	6	11	6	10
Cuddapah	87	978	104	845	447	1,084	447	683
Nellore	161	1,530	154	1,269	821	1,413	724	958
Chingleput	51	518	46	500	475	677	465	606
North Arcot	188	1,412	187	1,339	{ 1,679 cwt. 32·94 }	2,376	{ 1,840 cwt. 32·94 }	2,456
South do.	104	976	103	1,110	237	10	174	..
North Salem	63	500	76	570	972	706	854	643
South do.	101	1,000	99	940	1,691	1,260	1,749	1,400
Trichinopoly	43	222	47	204	176	104	183	174
Tanjore	20	75	25	65	45	25	57	21
Total, Central Circle ..	864	8,029	892	7,707	{ 6,549 cwt. 32·94 }	7,666	{ 6,499 cwt. 32·94 }	6,951
Southern Circle.								
Direction	50	715	56	818	7	48	14	51
South Canara	116	789	214	803	434	566	418	457
North Malabar	25	850	38	952	369	1,180	513	733
South do.	36	543	35	496	726	419	593	336
The Nilgiris	116	986	110	976	771	1,022	692	975
North Coimbatore	77	767	75	733	880	1,066	906	1,086
South do.	79	779	77	697	1,906	2,931	1,965	2,594
Madura	124	2,172	111	1,704	257	322	249	200
Tinnevelly	128	622	117	438	440	92	441	139
Total, Southern Circle ..	751	8,223	833	7,617	5,790	7,646	5,791	6,571
Grand Total, Presidency ..	2,268	21,575	27,439	20,594	{ 15,881 cwt. 32·94 }	20,171	{ 16,086 cwt. 32·94 }	18,245

N.B.—The variations in the figures between the closing balance of the previous year's return and the opening balance of the year under report has not been explained in many districts.

No. 64.

Madras Presidency.

Stores, Tools and Plant for 1902–1903.

Machinery				Furniture				Building materials, small stores, tents, boats, etc.			
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
10	11	12	13	14	15	16	17	18	19	20	21
	RS.		RS.		RS.		RS.		RS.		RS.
..	..	..	..	114	655	118	700	16	1,072	16	900
..	..	..	..	203	1,696	239	1,857	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	620	3,263	620	2,904	38	{ 3,251 3,505 }	34	5,961
..	..	..	..	175	632	175	579	9	3,614	9	3,563
..	..	..	..	155	526	157	568	9	2,069	10	2,176
..	..	..	..	72	414	74	400	12	1,385	12	1,340
..	..	..	..	213	764	233	782	10	1,290	10	1,155
..	..	..	..	1,552	7,950	1,616	7,790	94	16,186	91	15,095
..	..	..	..	135	556	130	524	8	580	8	522
1	27	1	31	205	929	216	911	29	2,063	29	1,888
..	15,362	..	17,719	165	1,467	194	1,375	10	1,200	10	1,081
..	..	..	..	192	994	199	1,020	8	1,016	8	925
26	531	26	504	890	3,005	924	3,035	18	1,998	19	2,184
5	137	5	158	196	931	198	1,073	17	1,946	17	1,946
..	..	..	..	161	550	234	700	9	564	13	1,100
5	300	5	285	399	1,450	433	1,550	..	..	..	..
..	..	..	..	155	861	175	715	12	1,748	12	1,420
..	..	..	..	53	361	55	296	..	..	..	..
37	16,357	37	18,697	2,551	11,104	2,758	11,199	111	11,115	116	11,066
..	..	..	..	124	1,075	210	1,483	6	662	6	629
..	..	..	..	194	1,361	201	1,437	14	1,631	14	1,631
..	..	..	..	136	900	136	579	4	685	4	580
25	94	26	69	146	923	186	1,021	4	233	7	609
1	150	1	120	172	1,079	177	980	9	900	8	790
..	..	..	..	258	564	297	857	92	795	96	1,038
338	2,035	341	1,426	..	..	..	..	13	1,420	13	1,155
5	6	5	6	275	2,119	381	2,105	1,352	805	1,259	437
..	..	..	..	554	615	544	506	24	547	24	518
369	2,285	373	1,621	1,859	8,636	2,132	8,968	1,518	7,678	1,431	7,387
406	18,642	410	20,318	5,962	27,690	6,506	27,957	1,723	34,979	1,638	33,548

Abstract showing the Value of Live-stock

Districts.	Buildings				Live-stock			
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.
	22	23	24	25	26	27	28	29
Northern Circle.		RS.		RS.		RS.		RS.
Direction	..	..	..	..	..	..	..	..
Ganjám	45	17,782	48	17,105	..	..	..	..
Vizagapatam	..	..	..	..	..	..	..	..
Gódávari	93	33,600	97	31,304	1	..	1	900
Kistna	66	12,057	61	11,498	..	..	..	..
Kurnool	54	36,170	54	34,762	66	4,841	97	6,030
Bellary	26	4,336	26	3,982	52	1,730	44	1,698
Anantapur	11	..	12	13,310	..	..	..	..
Total, Northern Circle ..	295	1,03,945	298	1,11,961	119	6,571	142	8,628
Central Circle.								
Direction	..	..	..	..	..	..	..	..
Cuddapah	117	21,137	122	19,439	2	56	2	56
Nellore	9	6,171	9	6,714	..	..	..	..
Chingleput	20	6,165	25	6,357	..	..	..	..
North Arcot	122	17,458	137	16,930	..	..	..	..
South do.	43	16,358	18	16,310	..	..	..	..
North Salem	15	8,000	15	7,500	..	..	..	..
South do.	16	9,000	19	8,900	..	..	..	..
Trichinopoly	8	4,072	8	3,314	..	..	..	..
Tanjore	7	566	7	360	..	..	..	..
Total, Central Circle ..	357	88,927	360	85,824	2	56	2	56
Southern Circle.								
Direction	..	..	..	..	..	..	..	..
South Canara	19	9,965	22	11,204	3	5,000	3	5,000
North Malabar	..	..	..	..	22	33,650	28	43,540
South do.	(a) 25	33,344	30	35,171	18	26,612	19	28,812
The Nilgiris	76	9,970	73	8,155	4	3,800	6	6,500
North Coimbatore	71	29,284	75	29,485	..	..	..	..
South do.	80	40,786	85	35,592	..	..	..	..
Madura	56	31,254	46	26,665	..	..	..	..
Tinnevelly	60	24,789	63	27,365	..	..	..	..
Total, Southern Circle ..	387	1,79,392	394	1,73,637	47	69,062	56	83,852
Grand Total, Presidency ..	1,039	3,72,264	1,052	3,71,422	168	75,689	200	92,536

(a) Revised figures reported by Collector.

Stores, Tools and Plant for 1902-1903—*cont.*

Miscellaneous.				Total.					
On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		Difference in value.	
Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	In favour of the year.	Against the year.
30	31	32	33	34	35	36	37	38	39
	RS.		RS.		RS.		RS.	RS.	RS.
4	100	4	96	190	2,548	194	2,352	..	196
..	..	..	..	638	20,277	829	19,881	..	396
47	115	57	69	330	1,558	323	1,320	..	238
570	805	555	619	2,531	47,635	2,640	44,716	..	2,919
..	..	..	..	756	17,508	642	16,941	..	567
63	565	351	768	1,296	45,870	1,740	45,969	99	..
47	111	47	104	782	8,719	781	8,248	..	471
29	5	3	..	492	2,420	525	15,696	13,276	..
760	1,701	1,017	1,656	7,015	1,46,535	7,674	1,55,123	8,588	..
93	475	94	446	288	2,440	289	2,367	..	73
177	251	234	241	1,065	26,525	1,155	24,094	..	2,431
401	4,163	408	6,108	1,567	31,306	1,499	35,224	3,918	..
..	..	..	..	746	9,370	743	9,408	38	..
..	..	..	..	{ 2,923 cwt. 32·94 }	26,780	{ 3,133 cwt. 32·94 }	26,448	..	332
1,420	999	1,254	820	2,022	21,357	1,769	21,417	60	..
..	..	..	..	1,220	10,320	1,192	10,513	193	..
(*b*) 26	(*b*) 1,200	(*b*) 26	(*b*) 1,100	2,238	14,210	2,331	14,175	..	35
2,130	749	2,130	602	2,524	7,756	2,555	6,429	..	1,327
43	377	47	346	168	1,404	191	1,088	..	316
4,290	8,214	4,193	9,663	{ 14,761 cwt. 32·94 }	1,51,468	{ 14,857 cwt. 32·94 }	1,51,163	..	305
555	602	546	570	742	3,102	832	3,551	449	..
569	1,122	560	1,105	1,349	20,434	1,432	21,637	1,203	..
..	..	..	..	556	37,265	719	46,384	9,119	..
(*a*) 327	1,481	291	1,615	1,307	63,649	1,187	68,129	4,480	..
111	176	94	86	1,260	18,083	1,161	18,582	499	..
176	475	175	379	1,554	32,951	1,624	33,578	627	..
144	691	172	955	2,560	48,642	2,653	42,419	..	6,223
..	..	..	..	2,069	36,678	2,051	31,117	..	5,561
..	..	..	..	1,206	26,665	1,189	28,966	2,301	..
1,882	4,547	1,838	4,710	12,603	2,87,469	12,848	2,94,363	6,894	..
6,932	14,462	7,048	16,029	{ 34,379 cwt. 32·94 }	5,85,472	{ 35,379 cwt. 32·94 }	6,00,649	15,177	..

(*b*) Includes also tents.

ANNUAL FORM No. 65.

Tramway Statement.

STATEMENT showing the results of transport of wood by tramway.

I.—*Nellore District.*

(i) Sríharikóta Range.

Capital Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year.	15,776	14,830	By depreciation at 6 per cent.	947	1,003
Add stock	..	1,889	,, balance of stock	14,829	15,716
Total ..	15,776	16,719	Total ..	15,776	16,719

Revenue Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	928	945	By balance written off ..	3,123	3,249
,, road-making and repairs ..	412	591			
,, interest at 4 per cent. ..	631	669			
,, depreciation at 6 per cent. ..	947	1,003			
,, repairs of wagons	205	4 1			
Total ..	3,123	3,249	Total ..	3,123	3,249

—	1901–1902.					1902–1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P
Work done	9,460⅕	2½	23,650½	3,123	0 2 1	8,584	2½	21,460	3,249	0 2 5

—	1901–1902.			1902–1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge of carrying	23,650½	3,123	0 2 1	21,460	3,249	0 2 5
Estimated cost of carting		31,041	1 5 0		28,166	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1889–90	..	1,444
1890–91	8,487	..
1891–92	3,742	..
1892–93	13,807	..
1893–94	13,063	..
1894–95	15,153	..
1895–96	9,100	..
1896–97	23,921	..
1897–98	25,450	..
1898–99	30,398	..
1899–1900	23,176	..
1900–1901	8,713	..
1901–1902	27,918	..
1902–1903	24,917	..
Total ..	2,27,845	
Deduct loss ..	1,444	
Net profit ..	2,26,401	

Statement showing the results of transport of wood by tramway—*cont.*

(ii) Casuarina Plantation Range.

Capital Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	15,487	14,558	By depreciation at 6 per cent. ..	929	906
Add new stock	..	545	,, balance of stock	14,558	14,197
Total ..	15,487	15,103	Total ..	15,487	15,103

Revenue Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	943	2,785	By balance written off	3,274	4,877
,, road-making and repairs	372	500			
,, interest at 4 per cent.	620	604			
,, depreciation at 6 per cent. ..	929	906			
,, repairs of wagons	410	82			
Total ..	3,274	4,877	Total ..	3,274	4,877

—	1901–1902.					1902–1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done	5,522 7/8	8½	13,561	3,274	0 3 10	7,879 1/8	8½	22,285 1/8	4,877	0 3 6

—	1901–1902.			1902–1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	13,561	3,274	0 3 10	22,285 1/8	4,877	0 3 6
Estimated cost of carting		17,799	1 5 0		29,249	1 5 0

ABSTRACT.

Year.	Profit.	Loss.
	RS.	RS.
1885–86	1,735	..
1886–87	5,030	..
1887–88	..	536
1888–89	6,272	..
1889–90	545	..
1890–91	7,323	..
1891–92	4,646	..
1892–93	5,290	..
1893–94	5,351	..
1894–95	5,261	..
1895–96	4,826	..
1896–97	3,981	..
1897–98	7,000	..
1898–99	3,224	..
1899–1900	13,275	..
1900–1901	22,553	..
1901–1902	14,525	..
1902–1903	24,372	
Total ..	1,35,209	
Deduct loss ..	536	
Net profit ..	1,34,673	

Statement showing the results of transport of wood by tramway—*cont.*

II.—*South Coimbatore District.*

Capital Account.

—	1901–1902.	1902–1903.	—	1901–1902	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To balance from the previous year ..	37,302	35,109	By depreciation at 6 per cent. ..	2,241	2,119
,, repairs to tram-trucks	48	113	,, balance of stock	3,509	33,203
,, extension of tram-line beyond Sangam	..	100			
Total ..	37,350	35,322	Total ..	37,350	35,322

Revenue Account.

—	1901–1902.	1902–1903.	—	1901–1902.	1902–1903.
Dr.	RS.	RS.	*Cr.*	RS.	RS.
To working expenses	2,872	1,952	By balance written off	7,772	6,643
,, depreciation at 6 per cent. ..	2,241	2,119			
,, interest at 4 per cent.	1,494	1,413			
,, repairs to tram-road	258	339			
Half the cost of feed and keep of bullocks as they are employed for tramming for six months only ..	907	820			
Total ..	7,772	6,643	Total ..	7,772	6,643

—	1901–1902.					1902–1903.				
	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.	Number of tons of wood carried.	Number of miles carried.	Total ton-miles.	Actual charge for carrying.	Rate per ton-mile.
				RS.	RS. A. P.				RS.	RS. A. P.
Work done.	35½ tons (1,420 c. ft.).	4	142			$44\frac{37}{40}$ tons (1,797 c. ft.).	4	180		
	223½ tons (8,940 c. ft.).	5½	1,229			$44\frac{33}{40}$ tons (1,793 c. ft.).	5½	247		
	$198\frac{14}{40}$ tons (7,934 c. ft.).	3	595	7,772	1 13 5	$393\frac{30}{40}$ tons (15,759 c. ft.).	3	1,182	6,643	2 4 8
	$556\frac{36}{40}$ tons (22,276 c. ft.).	3	1,671			$178\frac{10}{40}$ tons. (7,139 c. ft.).	3	535		
	$199\frac{16}{40}$ tons (7,976 c. ft.).	3	598			$251\frac{12}{40}$ tons. (10,052 c. ft.).	3	754		
	1,214		4,235			913		2,898		

—	1901–1902.			1902–1903.		
	Number of ton-miles.	Amount.	Rate per ton-mile.	Number of ton-miles.	Amount.	Rate per ton-mile.
		RS.	RS. A. P.		RS.	RS. A. P.
Actual charge for carrying	4,235	7,772	1 13 5	2,898	6,643	2 4 8
Estimated cost of carting	4,235	4,411	1 0 8	2,898	3,019	1 0 8
Actual cost of maintaining cart-road before the construction of tramway (now saved)	..	1,200	..	..	1,200	..
Cost of extension of road beyond Sangam (now saved)..	..	310	..	..	310	..
Total estimated cost of carting ..	..	5,921	..	..	4,529	..
Loss ..	..	1,851	..	..	2,114	..

ABSTRACT OF LOSS.

Year.	Loss. RS.	Year.	Loss. RS.	Year.	Loss. RS.
1889–90	4,155	1894–95	1,743	1899–1900	630
1890–91	3,049	1895–96	1,236	1900–1901	1,714
1891–92	4,711	1896–97	778	1901–1902	1,851
1892–93	4,718	1897–98	64	1902–1903	2,114
1893–94	2,392	1898–99	2,609		
				Total ..	31,764

ANNUAL FORM No. 72-A (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce cut, collected and removed by Consumers or Purchasers during 1902–1903.

District.	Timber.	Firewood and charcoal.	Bamboos.	Money value of sales.											
				Timber.		Firewood and charcoal.		Bamboos.		Grazing and fodder grass.		Minor produce.		Total.	
				Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.	Amount of sales.	Amount actually realized during the year.
	C. FEET.	C. FEET.	NO.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Northern Circle.															
Ganjám	213,676	595,339	1,731,560	11,862	11,857	7,837	7,836	6,696	6,695	13,303	13,303	4,217	4,313	43,915	44,004
Vizagapatam	69,687	223,001	1,016,750	5,166	5,166	4,277	4,277	8,423	8,423	5,037	5,037	10,166	10,171	33,069	33,074
Gódávari	415,057	616,824	8,657,262	34,901	34,901	12,756	12,777	42,003	42,003	20,057	20,056	42,140	42,027	1,51,857	1,51,764
Kistna	366,926	505,166	283,500	26,372	26,155	14,027	14,027	3,009	3,009	83,000	83,004	21,857	19,845	1,48,265	1,46,040
Kurnool	185,384	456,307	4,387,062	19,385	19,385	15,544	15,542	18,462	18,461	43,495	43,261	29,624	29,708	1,26,510	1,26,357
Bellary	178,286	257,040	103,824	11,575	11,575	4,067	4,074	2,163	2,164	42,516	42,516	50,332	50,675	1,10,653	1,11,004
Anantapur	45,790	173,587	18,020	5,872	5,872	3,636	3,229	450	451	21,886	21,885	50,408	43,445	87,252	74,882
Total ..	1,474,806	2,827,264	16,197,978	1,15,133	~~1,14,911~~	62,144	61,762	81,206	81,206	2,29,294	2,29,062	2,08,744	2,00,184	6,96,521	6,87,125
Central Circle.															
Cuddapah	140,617	435,757	1,279,430	9,964	10,779	9,449	9,775	4,368	4,390	36,766	36,775	47,086	39,538	1,07,633	1,01,257
Nellore	63,963	320,320	11,060	6,853	6,853	44,123	30,834	35	35	41,495	41,496	40,397	37,736	1,32,903	1,16,954
Chingleput	45,048	177,074	3,480	3,236	3,236	11,361	11,067	61	61	13,613	13,612	13,295	12,202	41,566	40,178
North Arcot	36,278	1,286,380	3,681,229	6,331	6,010	24,063	20,114	20,941	21,590	33,268	33,267	24,613	30,805	1,09,216	1,11,786
South do.	2,888	643,818	68,070	361	362	40,275	39,041	89	89	51,364	51,348	24,874	25,488	1,16,963	1,16,328
North Salem	170,360	198,293	2,756,950	11,599	11,264	4,844	4,767	8,506	7,974	31,253	31,253	11,606	13,767	67,808	69,025
South do.	213,088	189,887	4,045,400	14,821	13,831	4,425	4,425	23,670	23,600	24,395	24,395	18,818	19,714	86,129	85,965
Tanjore	21,811	342,285	2,200	1,388	1,337	9,090	8,777	219	220	1,329	1,236	4,399	4,382	16,425	15,952
Trichinopoly	33,159	1,413,193	179,377	2,934	2,934	24,690	24,295	1,650	1,651	19,293	17,949	14,114	14,881	62,681	61,710
Total ..	727,212	5,007,007	12,027,196	57,487	56,606	1,72,320	1,53,095	59,539	59,610	2,52,776	2,51,331	1,99,202	1,98,513	7,41,324	7,19,155
Southern Circle.															
South Canara	24,554	800,409	104,662	4,290	4,257	12,512	12,485	1,570	1,570	4,317	4,317	6,182	13,158	28,871	35,787
North Malabar	3,333	2,820	20,092	2,843	2,250	44	45	344	343	2,792	2,790	1,006	1,007	7,029	6,435
South do.	216,351	55,387	84,171	24,703	24,703	3,725	3,723	1,681	1,681	5	5	1,945	1,943	32,059	32,055
The Nilgiris	4,608	28,517	369,381	705	705	1,666	1,667	3,431	3,430	9,424	9,424	827	828	16,053	16,054
North Coimbatore ..	24,758	319,776	4,109,500	2,708	2,714	14,556	14,555	10,856	10,856	47,636	47,639	6,287	5,927	82,043	81,691
South do.	101,756	853,739	2,198,050	20,937	18,913	15,415	18,586	7,680	7,679	8,927	8,926	7,863	7,664	60,822	61,768
Madura	121,699	473,888	119,208	8,133	8,133	27,320	27,244	3,668	3,668	20,963	20,951	19,082	27,466	79,166	87,462
Tinnevelly	33,388	1,024,981	93,740	612	200	41,593	39,881	548	639	4,056	4,055	22,672	23,537	69,481	68,312
Total ..	530,447	3,559,517	7,098,804	64,931	61,875	1,16,831	1,18,186	29,778	29,866	98,120	98,107	65,864	81,530	3,75,524	3,89,564
Grand Total ..	2,732,465	11,393,788	35,323,978	2,37,551	2,33,392	3,51,295	3,33,043	1,70,523	1,70,682	5,80,190	5,78,500	4,73,810	4,80,227	18,13,369	17,95,844

Add outstandings at the close of 1901–1902 ..	* 1,68,465
Total ..	19,81,834
Deduct amount realized as per Form No. 59 ..	17,95,844
Balance outstanding on the 30th June 1903 ..	1,85,990

* Revised figures.

ANNUAL FORM No. 72-B (OLD CODE).

Forest Department, Madras Presidency.

TIMBER and other Produce Confiscated and Sold during the year 1902–1903.

District.	Timber.		Firewood.		Bamboos.		Minor produce in value.	Total amount of sales.	Amount actually realized.
	Quantity in cubic feet.	Amount of sales.	Quantity in cubic feet.	Amount of sales.	Number.	Amount of sales.			
		RS.		RS.		RS.	RS.	RS.	RS.
Northern Circle.									
Ganjám	2,177	391	273	10	1,368	5	3	409	398
Vizagapatam ..	197	12	900	17	1,470	6	1	36	35
Gódávari	38,861	2,803	5,471	195	1,917	8	411	3,417	3,417
Kistna	1,443	91	173	9	96	2	3	105	106
Kurnool	2,015	467	5,296	258	9,966	131	417	1,273	1,273
Bellary	154	18	612	48	..	..	6	72	71
Anantapur	..	..	..	..	..	..	..	..	..
Total ..	44,847	3,782	12,725	537	14,817	152	841	5,312	5,300
Central Circle.									
Cuddapah	1,376	318	647	24	3,550	5	20	367	318
Nellore	6,652	831	10,376	441	..	..	13	1,285	1,285
Chingleput	1,080	122	648	10	..	..	..	132	132
North Arcot ..	271	118	2,128	72	3,420	13	47	250	250
South do. ..	516	65	1,440	40	383	3	177	285	283
North Salem	547	268	318	10	3,150	9	16	303	304
South do.	444	112	1,066	67	11,683	52	90	321	321
Trichinopoly ..	156	146	406	57	47	2	47	252	252
Tanjore	..	..	1,147	18	..	..	2	20	18
Total ..	11,042	1,980	18,176	739	22,233	84	412	3,215	3,163
Southern Circle.									
South Canara ..	4,235	861	9,354	81	852	35	144	1,121	1,103
Malabar, North ..	946	354	..	..	..	..	..	354	454
Do. South ..	55	4	..	..	..	..	..	4	4
The Nílgiris ..	96	16	638	10	219	5	18	49	49
Coimbatore, North ..	777	194	1,645	109	1,260	6	18	327	327
Do. South ..	3,268	438	2,222	55	4,400	27	19	539	533
Madura	703	116	1,457	119	49	2	28	265	266
Tinnevelly	330	132	14,237	573	..	..	22	727	736
Total ..	10,410	2,115	29,553	947	6,780	75	249	3,386	3,472
Grand Total ..	66,299	7,877	60,454	2,223	43,830	311	1,502	11,913	11,935

Add outstanding at close of 1901-1902 ..	535
Total ..	12,448
Deduct amount realized as per Form No. 59 ..	11,935
Balance outstanding on the 30th June 1903 ..	513

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

READ—the following Proceedings of the Board of Revenue (Land Revenue), Forest No. 300, dated 13th November 1903 :—

The Hon'ble Mr. H. A. SIM, C.I.E., I.C.S.

Resolution—Forest No. 300, dated 13th November 1903.

The Board submits to Government the progress report of Forest Administration in the Madras Presidency for the year ending with 30th June 1903.

2. In accordance with the last clause of section 258 of the Forest Code, the report has been drawn up by Mr. E. D. M. Hooper, the Senior Conservator of Forests, and sets out clearly the main features of the year's working in the manner laid down by Government.

3. As in previous years, the Board has again the pleasure to report to Government that the controlling staff of the department has worked with zeal and energy, that those who have acted as Conservators have exercised their advisory and administrative powers with much interest, tact and ability and that the District Forest-officers almost without exception have performed their arduous duties with the greatest zeal and devotion. Messrs. Hooper, Brasier and Lushington among the Conservators, Messrs. Lodge, Battie, P. M. Lushington, Bryant, Scot, Barlow-Poole and Nallaswami Nayudu among the District Forest-officers, and Mr. Parthasarathi Mudaliyar as Forest Assistant in the Board's office, deserve special mention.

(True Extract.)

(Signed) A. R. CUMMING,
Secretary.

To the Secretary to Government, Revenue Department,
with three copies of the report.

ORDER—No. 141, Revenue, dated 3rd February 1904.

Forest No. 20.

Mr. Hooper's report is a careful record of the year's work in the Forest Department. The length of the report has been reduced to 42 pages, and the alterations suggested in G.O., No. 289, Revenue, dated 18th March 1903, have been carried out in the sections specifically noticed in that order. There seems, however, still room for a closer approximation to the model prepared by Mr. Ribbentrop, and the Government consider that the present report might be improved by the excision of many of the statistical abstracts such as those in paragraphs 10, 36, 37 and 38 which only repeat in a slightly abbreviated form statements at the end to which attention has already been called in the body of

the report; by the omission of many of the stereotyped "explanations" of unimportant variations between the figures of the year under report and preceding years; and by the comprehension in a somewhat wider review of facts which are at present set out in detail for each district in order, and, though perhaps valuable in themselves, only tend to obscure matters really worthy of remark.

2. The chief features of the year's work will be briefly noticed.

Extension and Constitution of State Forests.

3. *Forest Settlement.*—Out of the total area of 19,455 square miles under control at the end of the year, 17,657 square miles had been finally constituted reserved forest and 1,175 were in various stages of settlement. Of the remaining 623 square miles of reserved land it is expected that only some 460 square miles will be finally brought under settlement. New selections for reservation are now estimated at 413 square miles or rather more than double the figure given in last year's report. There thus remain about 2,000 square miles for final reservation to complete the scheme of the department: and of this extent nearly 900 square miles have still to be notified.

During the year 534 square miles were finally settled and 67 square miles were notified. This result can hardly be considered satisfactory and a better outturn will be necessary if the settlement work is to be completed according to the present programme by the end of March 1905. The districts in which the largest areas have still to be notified are South Canara, Kurnool, Madura, Bellary and Anantapur, if it is finally decided to reserve the proposed 200 acres in the last-named district. The Board has recently called the attention of the Collectors concerned to the necessity of hastening the publication of the necessary notifications: and the Government trust that both they and the Forest Settlement-officers will spare no pains to ensure the completion of the work within the specified period.

4. *Demarcation and Survey.*—Good progress was made during the year; 313 miles of boundary were added and 1,197 miles were demarcated, bringing the total up to 95 per cent. of the mileage requiring demarcation. Maps were prepared for 1,081 square miles, with the result that 65 per cent. of the total reserve area has now been mapped.

Management of State Forests.

5. *Working-plans, etc.*—By the end of the year working-plans were ready or under preparation for about 37 per cent. of the total forest area. The progress during the year was less than in the previous year owing chiefly to want of officers. The work in the Southern Circle especially suffered in this respect: and it is the more to be regretted since the Southern Circle contains the most valuable timber forests in the Presidency, the careful working of which is of the first necessity both for climatic and financial reasons.

6. *Sylviculture.*—Natural reproduction by seed seems to have been good in all the areas that were successfully protected from fire, except in Bellary, where growth was again retarded by excessive grazing. From Form 54 it appears that cultural operations were extended over an additional area of 1,000 acres which included some extensive plantation of casuarina in Nellore, and an addition of 120 acres of teak plantation at Nilambur. From paragraph 27 of the report it appears that various other attempts at artificial reproduction were initiated; very little information is given, however, as to the success that has followed attempts initiated in previous years. The Government trust that this is not an indication of spasmodic effort or of want of continuity of operation. Both natural and artificial reproduction was hampered in many instances by fire. The chief experiments made were, as in previous years, with the date palm and the mahogany tree; the former was not much of a success except in Gódávari, but the latter seems to have done fairly well in Malabar, Coimbatore and the Nilgiris. It is to be regretted that there has been such delay in formulating definite proposals for concentrating experiments in selected localities under selected officers. The matter was first brought to notice in the report for 1900–1901; but nothing has yet been done and this year's report again furnishes a tale of desultory and not very successful efforts. The Board should submit a special report on the subject without further delay.

It would be an advantage if it were possible to indicate more clearly in the report what progress has been made in the arboricultural development of the more important reserves, and how far the special forest requirements of each district or group of districts are being provided for. Though much detailed information is given in the present report it is difficult to gauge the measure of success that is being attained in the work which is really the *raison d'ê tre* of the department.

7. *Exploitation.*—Altogether three and-a-quarter million cubic feet of timber and eighteen and-a-half million cubic feet of fuel were extracted in the year. The increase in the latter of 20 per cent. over last year's figures was due to a further rise in the demand from the railways. The outturn of bamboos and minor produce slightly decreased. There was an expansion in departmental operations in nearly all districts. The Government are glad to see that progress was made in the exploitation by Government agency of the timber forests of the Southern Circle. With the improvement of communication with the Anamalai reserves, it is hoped that a wide field may be opened for the disposal of the valuable timber of those forests. The Board's attention has already been drawn to the prospect of developing the timber market at Kolar and its further report on the subject is awaited.

There was again but little demand by the public for the removal of hay and fodder generally. In connection with the instructions of the Government of India that arrangements should be made for the special supply of fodder from forest reserves in times of famine, this Government have already approved of the Board's proposals that the Conservators should select two suitable localities in each circle and experiment in hay-making on a sufficiently large scale to test the feasibility of the Government of India's suggestions. The results of these experiments, which are to be continued over a series of years, should be noticed in the reports of the current and succeeding years.

8. *Regulation of grazing.*—The area closed to all grazing was increased by 8 per cent. to 1,867 square miles or about one-tenth of the total forest area. The increase was mainly in Gódávari. The total number of animals admitted to reserves decreased by about 15 per cent. In Kurnool and Anantapur large additional extents were closed to goat-browsing during the year. In Nellore the compartment system of regulating grazing, which had been on trial for three years, was finally abandoned as it had proved unsuccessful. A new scheme for regulating goat-browsing is now under trial in Nellore and the report on its working is awaited. It is satisfactory that the number of cattle impounded for unlicensed grazing decreased by 20 per cent.

9. *Fire protection.*—The area over which protection was attempted decreased from 5,550 to 5,545 square miles, and the proportion of failure rose from 3·63 per cent. to 9·27. The total area burnt during the year in both "protected" and immune tracts nearly doubled. The districts that suffered most were Gódávari, Kurnool, Cuddapah, North Arcot and North Coimbatore, in all of which, except the last, there was a heavy increase over the figures of the previous year. The area burnt was practically all protected except in the Coimbatore and Salem districts. It is unfortunate that the efforts of the department in this important matter have not met with more success. Owing to the uncertainty of the estimates of the area naturally immune from fire, it is impossible to say accurately how much of the total reserve remains to be dealt with, but there is no doubt that large tracts still require protection in most of the districts of the Northern and Southern Circles, and especially in Ganjám, Bellary, Coimbatore and Madura. In the review of last year's report the Government expressed the hope that greater attention would be paid to the subject during the year and they regret that so far as can be seen from the results now reported this hope has not been realised. It is hardly necessary to point out the prime importance of every means being taken by the Forest Department to secure the fruits of their labour: and the Board should make it a peculiar care to see that the matter is not neglected.

10. *Breaches of Forest Laws.*—The number of cases disposed of during the year was 22,335, showing a slight decrease on the figure for last year. There was a correspondingly slight decrease in the number of new cases reported, under the two main heads of unauthorised felling and grazing without permission. Of the cases disposed of 9 per cent. were withdrawn, 61 per cent. compounded and 30 per cent. brought into court: while of those brought into court 9 per cent. ended in acquittal.

Compared with the figures for the last two years the proportion of cases withdrawn and ending in acquittal shows a satisfactory decline: but the percentage of cases compounded has again risen during the year from 59 to 61. It is true that the average value of composition fees recovered in each case was slightly less than in last year; but the Government cannot but think that the figures show that this method of dealing with offences is misapplied, and must again call the attention of the Board to the remarks made on this subject in the review on last year's report.

The marked decrease in the number of cases reported in Kistna is ascribed in the report to the "better supervision by the controlling officers," while the no less marked increase in South Arcot is attributed to "better protection and increased vigilance of the subordinate staff". The Government cannot endorse this convenient optimism: any real improvement in protection should result in the prevention of offences, and the success of the subordinate staff should be gauged not by the number of convictions secured for damage already done but by the absence of forest crime, and the consequent better condition of the forests. It cannot be too strongly impressed upon all officers of the department that their aim should be to prevent offences and that with the gradual improvement of the protective staff there should be a corresponding decrease in the number of offences reported. It must, however, none the less be borne in mind that diminution in reported crimes may be due to increased corruption. To guard the forests, and to guard those who are lawfully entitled to use the forests, constant vigilance on the part of the superior staff is needed.

11. *Communications and buildings.*—It is to be regretted that in North Arcot and South Salem various works had to be deferred owing to the want of establishment and inefficiency of subordinate officers, but on the whole steady progress was made in the important work of improving communications by the opening of several roads and cart-tracks and the building of rest-houses.

Financial Results.

12. The total receipts for the year rose by 4 per cent. to Rs. 25,92,779 and the total charges by 4½ per cent. to Rs. 18,26,555. There was thus a surplus of Rs. 7,66,224. The most valuable sources of income were fuel and grazing. Of the expenditure 42 per cent. was devoted to the upkeep and improvement of the forests and 58 per cent. to exploitation. Departmental exploitation yielded a profit of about 18 per cent. It is satisfactory to note that the accounts of the Southern Circle show a slight surplus this year notwithstanding the extra expenditure of Rs. 40,000 on acquisition in the Wynaad, but the charges on account of removal of produce by Government agency still exceeded the receipts in the Nilgiris, Coimbatore, Madura and Tinnevelly.

The year's revenue was collected in a satisfactory manner. The outstandings due at the beginning of the year amounted to Rs. 1,68,464, and the value of sales during the year to Rs. 26,04,986. Out of the total of Rs. 27,73,450 due during the year Rs. 25,92,779 were collected and Rs. 1,091 written off, leaving a balance outstanding of Rs. 1,79,580.

Miscellaneous.

13. Careful arrangements were, as usual, made to meet the various local demands for forest produce. There again appears to have been little demand for the supply of leaf manure: but the Government have not yet received the detailed report on the subject called for last year. The experiments in Tanjore, which were reported to have failed in the previous year, do not seem to have been repeated. The great importance of providing a cheap supply of firewood adequate for all requirements should not be lost sight of.

The Government of India drew attention during the year to the disadvantages of the pit-fall system of capturing elephants. Though inclined to doubt the necessity of abandoning a system that has long been worked satisfactorily, this Government determined to make some experiments in the *keddah* system, and an officer has recently been placed on special duty for the purpose. His report will be looked for with interest.

14. *Establishment.*—His Excellency the Governor in Council has again to deplore the unsatisfactory conduct of the subordinate executive and protective staff. There appears to have been no improvement since last year, but rather the contrary. It is to be feared that no real progress will be made until the controlling staff has been increased, and that question is now under consideration.

The reports on the work of the controlling officers are, as usual, generally favourable: and His Excellency in Council is pleased to record his appreciation of the manner in which they have fulfilled their duties. Among much good work, that of Messrs. Bryant, Battie and Nallaswami Naidu deserves especial notice.

15. *General.*—The year's work has on the whole been one of steady progress. With the completion of the work of selection and initial reservation, it is hoped that it will be possible to concentrate the efforts of the department more especially on the efficient protection of the area reserved, and to devote more particular attention to arboriculture.

(True Extract.)

(Signed) J. N. ATKINSON,
Ag. Secretary to Government.